

Manufacturers Record

Exponent of America



\$6.50 per Year.
Single Copy, 20 Cents.

Baltimore, Md.
AUGUST 6, 1925

"Representation Without Taxation" as Bad as "Taxation Without Representation."

The Bank of Tupelo.

Tupelo, Miss., July 20.

Editor Manufacturers Record:

I have just removed the wrapper from the Manufacturers Record of July 16 and have very carefully read the editorial on the front cover entitled "The Income-Tax Question Again."

I am in such absolute agreement with what you say that I would not change one single word in the editorial. I do not see how it is possible for any unprejudiced, unselfish mind that has given the subject consideration to have any other viewpoint. There is just one other thought that I believe I would have incorporated in this article if I had been writing it, namely, that the vast number of our people who contribute nothing to the support of their Government would differently view the right of suffrage if they were also permitted to discharge the corresponding responsibility of participation in the expense of maintaining that Government.

Suffrage is a right, not a privilege, and the right is just as absolute in the poorest as in the richest; therefore, the moral responsibility of maintaining social order rests upon all alike. And no political machinery has the moral authority to deny any man or woman the "right" to sustain his or her exact proportion of that responsibility. Millions have been invested in institutions to care for those who really cannot contribute their mite.

Your editorial probes the sorest spot in our body politic, and if your suggested remedy were wisely applied, we might hope to again see our legislative and executive offices dominated by competent men and women determined to put "service above self." This would come about as the natural result of the awakening of political conscience if all the people were exercising all the rights and discharging all the obligations of citizenship. The present system is political debauchery of the relatively poor. And, to my mind, this is true of any system of levies that results in the present state of affairs. "Taxation without representation" was no graver offense against the ennobling value of human liberty than is "representation without taxation."

Your position is unassailable—your contributions are invaluable. May your reward be the realization of your ideals.

R. B. CLARK, President.

In this issue will be found the views of a number of others on the income-tax question.

ESSCO HEART FLOORING



IN competition with hardwoods in which appearance and durability were largely the determining factors, Essco Heart Flooring was used in the 29-story Magnolia Building of Dallas, Texas.

At the time this building was completed, the Dallas Times-Herald carried the following news article:—

"The Trinity Lumber Company of Dallas was awarded one of the largest contracts given out for material in the construction of the Magnolia Building. This company furnished under contract all the lumber and flooring used in the entire building and it is to the credit of the Magnolia organization that their order called for the best material of that kind obtainable, regardless of cost.

"It is a fact that the flooring in this great modern structure is the finest made in this country, and lumbermen of long experience declare the quality is unequalled by that used in any other building in this part of the country. It is the vertical grain class of yellow pine from Louisiana mills* and is from long leaf stock."

* Exchange Sawmills Sales Company

Essco Heart Flooring was chosen for this great building because of its durability, hardness and beauty—all inherent qualities in Essco Heart Flooring. It is the premium product of the Essco sawmills.

EXCHANGE SAWMILLS SALES CO.
Kansas City, Mo.

EXCHANGE SAWMILLS SALES COMPANY,
1116 R. A. Long Building, Kansas City, Mo.

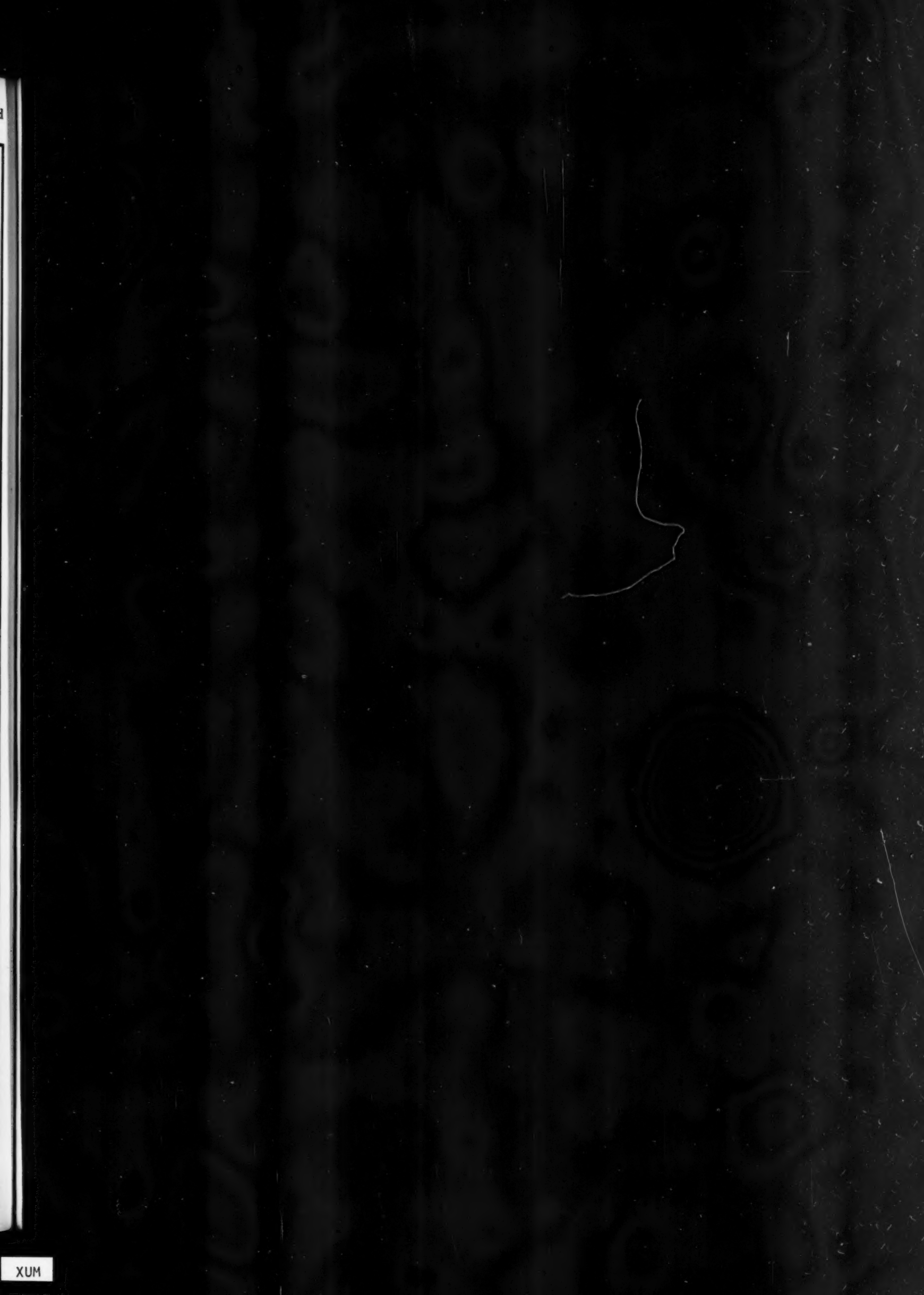
Please send me free a sample of Essco Heart Flooring and an Essco Heart Flooring folder containing complete data on Essco Flooring.

Name

Street

City

State





AUGUST 6, 1925

Manufacturers Record

EXPONENT OF AMERICA

CONTENTS

"Representation Without Taxation" as Bad as "Taxation Without Representation"...Cover Page

EDITORIALS

The Income-Tax Question.....	75
England's Control of Rubber Prices and Its Fight Against Cotton.....	77
World's Largest Artificial Lake Under Construction in Alabama.....	78
The Patriotism of the South Is Emphasized.....	78
Great Britain's Disastrous Coal Settlement.....	79
The Industrial Development of Florida Commanding Attention.....	80
Importance of the Frisco System's Entrance to Pensacola, Fla.....	80
"Prohibition Has Justified Itself".....	81
The Government "Compounds With Crime".....	82
Seaboard Air Line's \$25,000,000 Bond Issue for Expansion in Florida.....	83

NEWS ARTICLES

"Back to Granada!" the Cry of the Moors.....By Courtenay De Kalb	85
Moroccan Situation Analyzed.....	86
\$17,500,000 Company to Build Rayon Plant at Johnson City.....	87
Big Rayon Plant of DuPont Interests in Tennessee to Be in Operation Soon.....	88
Increase in Agricultural Exports—Cotton Made Gain of 43 Per Cent.....	90
The Demand for More Labor.....By Robert De C. Ward	91
Florida's Orange Crop.....By George M. Chapin	93
Broad Discussion of Freight Rates From Several Angles.....By Donald F. Walker	95
Banking on Character Alone.....	97
\$2,000,000 Montgomery Ward Building Now Open.....	98

DEPARTMENTS

News and Views From Our Readers.....	99	Mechanical	105
The Iron and Steel Situation.....	100	Construction	106
Railroads	101	Trade Literature.....	126
Good Roads and Streets.....	104	Industrial News of Interest.....	127
Textile	105	Financial News.....	130

PUBLISHED EVERY THURSDAY BY THE
MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, corner Commerce and Water Sts., Baltimore, Maryland.
RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;
I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer

RICHARD H. EDMONDS, Editor.

BRANCH OFFICES:
CHICAGO, 11 So. La Salle St. NEW YORK, 901 Singer Bldg.
CINCINNATI, 923 Union Trust Bldg.

SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers if available and not over one month old, 20 cents each. From one month to six months old 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

MEMBER ASSOCIATED BUSINESS PAPERS, INC., AND AUDIT BUREAU OF CIRCULATIONS.

Reduced Cost to the Consumer

Through the economies and efficiencies of Improved Machinery is the ladder on which rich and poor together have advanced to a higher plane of living.

It may also be made the means of restoring the disturbed business equilibrium.

The Northrop Loom is the best tool to use. Let's Talk It Over.

DRAPER CORPORATION

Hopedale Massachusetts

Southern Office Atlanta Georgia

Copyright 1917 by Draper Corporation

Yellow Strand WIRE ROPE

is in its element wherever there is extra heavy hoisting to be done.

Send for Catalog

BRODERICK & BASCOM ROPE CO.

ST. LOUIS

New York

Seattle



P. 37

ELWELL-PARKER

Industrial Haulage Equipment

Over twenty types of electric industrial tractors to speed up production and reduce material handling costs.

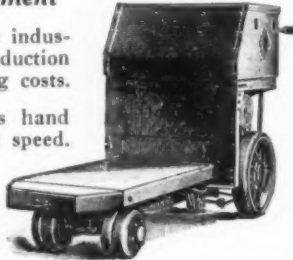
Handles on average 8 times hand trucking load at 3 times the speed.

Consult our engineers regarding labor saving problems.

CATALOG 1209

THE ELWELL-PARKER ELECTRIC CO., CLEVELAND, O.

"Pioneer Builders Electric Industrial Trucks"



LESCHEN AERIAL TRAMWAYS

are economical carriers because

- they are correctly designed
- they are sturdily built
- they are not affected by weather conditions
- maintenance and operating costs are low



Made in different systems.

Your inquiries are solicited

Established 1857

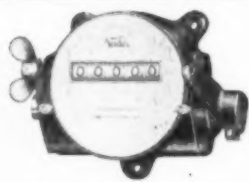
A. LESCHEN & SONS ROPE COMPANY

New York Chicago

ST. LOUIS

Denver

San Francisco



Punch Press Counter

Heavy-case ratchet mechanism, for recording product of heavy-duty machinery. Sets back to zero by turning knob. Cut about 1/5 size. Price \$18.00.



Loom Pick Counter

Records output in picks, in hundreds or thousands. Goes on arch of loom; faces the operative with his record. Price \$18.00.

Work moves at the counter-equipped machine! Because work alone moves the figures of the counter. Work alone makes the record that indicates workman's earnings. Results must be shown; write for booklet.

THE VEEDER MFG. CO. 17 Sargeant St. Hartford, Conn.

O-S
Locomotive Cranes
Flexible Tread Cranes
Truck Cranes
Gantry Cranes
Power Shovels
Clam Shell Buckets
Orange Peel Buckets
Coal Crushers

ORTON 608 S. Dearborn St.
& STEINBRENNER CO. Chicago - Illinois

**BLACK
DIAMOND**
Files
require no
"breaking in"

G. H. BARNETT CO.
2075 Frankford Avenue
Philadelphia, Pa. U.S.A.
Cloned and Operated by Microscopic File Company, Providence, R.I.

A Southern Product Used The World Over

Ashland Crown, Ashland Savage, Ashland Empire Crown and Ashland Blast Furnace Brick are backed

by a forty year record of satisfied users from coast to coast and even in foreign lands.

**ASHLAND
FIRE BRICK CO.**

Incorporated

1886

ASHLAND,

KENTUCKY

Manufacturers

Of Sized Brick



Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. LXXXVIII No. 6
Weekly

BALTIMORE, AUGUST 6, 1925.

{ Single Copies, 20 * Cents.
\$6.50 a Year.

In This Issue.

Thoughtful students of world affairs have for some years realized that the time might come when the 300,000,000 or 400,000,000 Mohammedans, who have been taught through generations and centuries to believe they must conquer the world by the sword, may rise up and seek to overrun European civilization.

"Back to Granada!" the Cry of the Moors.

It is not altogether improbable that this thought is back of the Rif revolution, in which the Moors are striving mightily to drive France and Spain out of Morocco, and even ringing out the cry "Back to Granada!" The tasks of France and Spain have been far greater than these countries anticipated and far greater than the world at large had ever imagined.

The danger of this Moroccan situation has from time to time been pointed out in the MANUFACTURERS RECORD during the last four or five years editorially and in special articles by Courtenay* De Kalb, whose knowledge of Morocco and the influences back of Abd-el-Krim is probably greater than that of any other man in America, indicating some of the possibilities of the magnitude of this coming outbreak.

While in Morocco during the World War Mr. De Kalb saw the vast possibilities of the iron ores of that country, and called attention to the effort that was even then being made by great German metallurgical and financial interests to get control of them. The indications then pointed to the effort of Germany to stir up a revolution against Spain and France on the part of the Rif tribes, evidently with the hope that in the turmoil which would thus be aroused these German houses might be able to lay hold of these vast iron ores.

Mr. De Kalb outlines some of these conditions and indicates things which have been rumored on the inside as to these tribes having a headquarters in New York and their being financed by some great interests abundantly able to furnish the money and the munitions needed in the campaign. These indications are startling in their import. The MANUFACTURERS RECORD has known for weeks that rumors have been heard even in foreign lands such as are mentioned in Mr. De Kalb's article, but we have not been able to get hold of enough facts to justify the publication of any more elaborate statement than the rumors contained in Mr. De Kalb's stirring account.

Millions of people in this country are entirely unconcerned about the income-tax situation because they have no income-tax returns to make. A comparatively small proportion of

The Income-Tax Question.

the people of the country are compelled to bear not only the burden of taxation but are compelled to answer the iniquitous questions which sometimes make life a greater burden than

even the amount of tax payment; for no man, it matters not how careful he may be, can ever know until years afterward whether or not his income-tax return is correct in the eyes of the Government.

Until every man and woman in this country, regardless of whether they have any income or not, are required to make a sworn statement of their income, or lack of income, and however small may be the tax return pay proportionately his or her share to the Government, the income-tax business will be an iniquity, a developer of class distinction, a "representation without taxation," which, according to the interesting letter on the cover page, is as improper as "taxation without representation."

A recent editorial in the MANUFACTURERS RECORD has called forth many interesting letters on this subject, the one on the cover page especially stating the case with exceeding clearness, while others are likewise interesting and informative, even though some of them are opposed to the suggestion made by the MANUFACTURERS RECORD that every man and woman in the country be required to make an income-tax return and to pay in proportion to the income.

One of the world's most rapidly growing industries, developing with almost equal rapidity in Europe and America, is the manufacture of rayon, or what was formerly known as artificial silk.

Great Rayon Plants Being Established in South.

The South has been fortunate in securing a number of great plants for the production of rayon. Thus far the plants established for this purpose in the South have made exceptional provision for their employees in providing the best of accommodations and paying attractive wages.

The duPont interests, as repeatedly published in the MANUFACTURERS RECORD, have for the last few years been building a great plant in Tennessee. Where once in war days the largest smokeless-powder plant in the world was constructed for the Government, there is now being established a plant for the manufacture of rayon which will give employment to about 3000 hands, to be increased from time to time as the plant is enlarged. The property includes 800 acres, of which 125 will be reserved for golf links for the employees. About 100 acres will be used for manufacturing purposes and the remainder for dwellings for the employees, the company already having nearly 1000 houses of various types of architecture and a dormitory which will provide accommodations for 400 girls, all under the care of trained matrons and welfare officers.

This is the kind of work which has been done by other plants of this character in the South. A high-grade employment at living wages under the best conditions for work is

thus being afforded many thousands of Southern young women eager for the opportunity for profitable and pleasant employment of this kind. The establishment of this plant by the duPont interests is only another illustration of the Southward trend of industrial development based on natural advantages, including climatic conditions and the supply of unsurpassed native labor yet available in various parts of the South.

Just as we are about to go to press comes the announcement of an immense rayon plant to be established at Johnson City, Tenn. Particulars will be found elsewhere in this issue.

Annually producing from 18,000,000 to 19,000,000 boxes of the finest citrus fruits raised anywhere in the world. Florida has not made adequate provision for the proper marketing of this fruit. Many of the methods of marketing are crude in the extreme. Some progress has been made by the Citrus Fruit Exchange and a few other leading shippers

Florida Must Improve the Handling of Its Citrus Fruit Crops.

whose brands are recognized as standard; but no work in keeping with the magnitude of the crop and the prospects of the future has been done toward preventing the shipment of poor or unripe fruit or for increasing the market demand by adequate methods. In this respect California is beating Florida two to one. It has secured a monopoly, so we are advised, of the electric machines which squeeze the juice out of oranges, and is establishing stores and booths throughout the country for furnishing California orange juice to the passerby. Florida has done nothing in that respect, and while the Citrus Exchange and some others have done a fair amount of advertising, they have done nothing comparable with the opportunity or with the supreme importance of developing a wider market for this unequaled fruit in order that the Florida fruit growers may reap a reasonable profit from their crop at the present time and that the demand may be increased to keep up with the enormous production that is ahead of that state by virtue of millions of young trees which will soon come into bearing within the next few years. Some facts in regard to the extent of the orange and grapefruit industry of the state are given in an article by Geo. M. Chapin of Jacksonville.

Every man and woman in the country is interested in freight rates, whether they be too high or too low. If too low, they mean the bankruptcy of railroads and the loss of billions invested in railroad securities. If too high, they mean the loss of enormous sums to the shippers and consumers of the country. The discussion which has been going on in this paper recently by rate experts in regard to some of the inequalities of freight rates is continued in an interesting article by Donald Walker of Monroe, La., who has had long experi-

More Light on Railroad Freight Rates.

ence as a railroad man and a rate expert in the West and elsewhere in handling rate problems. Railroad officials cannot afford to miss these interesting discussions. They may not agree with all the views expressed, but until they can refute some of the statements made they should study the claims presented, for only in that way can they see the other side of the case. Railroad men have grown up in the business, and it is perfectly fair to say that most of them can see only the railroad side of the question, for that is true of most people in most lines of business; but there is another side, the public side, and until the railroads and the public come to a better understanding of the mutuality of their interests there will never be peace—the kind of peace which means prosperity for all.

Mr. Walker gives some interesting facts which will be well worth study by all shippers as well as by railroad officials. We invite a continuation of this discussion by rate experts, by business men generally, as well as by railroad officials, for we are interested in having both sides of the case fairly stated.

Here and there efforts are being made in one way or another to bring about an increase in immigration from Europe. The National Association of Manufacturers has a committee on this subject, and a recent report of that committee has called forth from Prof. Robert DeC. Ward of Harvard, for years a profound student of our immigration problems, a vigorous protest against increase of immigration. Professor Ward warns the country against the danger of letting down our immigration bars merely because it is alleged that there is a demand for more laborers. Instead of opening our gates more widely to immigration, the bars should be put up higher than at present. We long ago reached the saturation point where alien immigration has brought about dangers to the very existence of our country. The thought of millions of people has been warped and twisted into evil shape by the teachings of many of these aliens, who have not become Americanized in thought and act. Millions of them are foreign in sentiment and read only some one or more of the 1200 papers printed in foreign languages.

Shall We Lower Our Restrictions Against Immigration?

Regardless of any demand for increased laborers, our present restriction of immigration should be enforced to the limit, and every possible effort made to prevent the smuggling into this country of the thousands of criminals who seek, against our immigration laws, to get into the United States through Canada, Cuba and Mexico. Indeed, the smuggling of immigrants—every one of whom is a criminal—is somewhat akin as a menace to the smuggling of liquors into our ports. We say that everyone of these aliens who gets into America in this way is a criminal, because he gets here only by a direct violation of our law, showing that he has no regard for American laws, and starting with that position he becomes immediately a menace to our welfare. Professor Ward has discussed some of these problems strongly.

"It is stated that a special effort is to be made by Germany to recoup its former machinery and hardware trade in Mexico. Much of this business was lost to it during the war, and American manufacturers and dealers obtained a strong foothold throughout this country in the sale of mining and agricultural machinery and small hardware. "German machinery, and implement firms are rapidly re-establishing themselves here, however, and are making every effort to get back their former trade." American business men may learn a lesson from the way in which Germans are trying to capture Mexican trade, just as they are trying to capture Mexico in a diplomatic sense.

60 GERMAN BUSINESS MEN INSPECT MEXICAN INDUSTRIES.

A DISPATCH from Monterey, Mexico, to the Philadelphia Ledger says:

"Significance is attached to the visit to Mexico at this time of a party of 60 business men of Germany. In Mexico City they were cordially received by Government officials and local commercial and industrial interests. In the party are a number of experts in various lines of business, who went thoroughly into the question of Mexican markets for German goods.

The Del., "W. editor are in Tho pany, "In Again that s "It

The Income-Tax Question.

THE cover-page editorial in the July 9 issue of the MANUFACTURERS RECORD in regard to the income-tax situation, and suggesting that every man and woman in the country should be required to make out an income-tax return, has attracted much attention from our readers and many letters have been received commending the position taken.

Staunton B. Peck, vice-president of the Link-Belt Company, Philadelphia, writing upon the subject says:

"I have read the editorial on income taxation. I cannot commend this too strongly, and I wish it might be widely read and taken to heart, particularly by our legislators. Unfortunately, votes, to most of them, outweigh every other consideration, and for this reason they are, I fear, not likely to act on your suggestion. I have believed, and have said for years, there should be no tax exemption; that everyone ought to assume some proportionate amount, however small, of the burden of government. Certainly it should be the duty of everyone who votes to pay a tax, and evidence of such payment should be a condition of permission to vote."

R. C. Beadle, assistant to the president of the International Combustion Engineering Corporation, New York, writes:

"If everyone in the country, irrespective of income, were required to fill out an income-tax return, and a card was issued by the Income Tax Department that their return had been made, in the same manner that we checked up human-power resources during the war, the income-tax law would probably be repealed inside of two years. A way of making this an income producer would be to charge a small stamp tax on the return made out by those who pay no income tax, say 10 cents, simply to make them realize there is something to be paid to the Government.

"I think that this in a measure agrees with what you say, that everyone should pay an income tax, however small. At one time I believed in the income tax, and it is a good thing in theory, but like many other things in theory it doesn't work in practice. The honest individual pays and the dishonest individual who will take chances, swearing to false reports, does not pay, aside from which there are probably hundreds of thousands of cases in the country where no return is made at all and where individuals are receiving incomes which should be taxed.

"There are only two taxes that are workable apparently—one the real estate tax, and the other a tax on transfer of commodities—that is, a sales tax. The income tax depends too much on the honesty of the people and works a hardship on the honest in favor of those who are less punctilious about the truth."

Andrew Wheeler, president of Morris, Wheeler & Co., Philadelphia, says:

"We have read with interest your editorial and letter of July 16 regarding the general distribution of the income-tax law and are heartily in favor of it, but the question is, Will the members of the present Congress feel the same way?"

E. G. Haines, assistant secretary and treasurer, Canonsburg Steel & Iron Works, Canonsburg, Pa., writes:

"It seems strange that after all these years of government we do not consider we have arrived at an equitable method of taxation. Personally, I believe our present method is as good as any that can be formulated, but what we do need is economy in government administration of all kinds and proper and suitable punishment administered to those who rob the people."

The Delaware Registration Trust Company, Wilmington, Del., writes:

"We have read with interest and, we believe benefit, your editorial in connection with the income-tax situation. We are in accord therewith."

Thomas McCroskey, manager, American Limestone Company, Knoxville, Tenn., writes:

"In regard to your editorial on 'The Income-Tax Question Again,' I agree with you in principle. It also occurs to me that some simple way of assessing taxes could be arrived at.

"It seems to me the tax should be a certain percentage

of your income without so many whys and whereases. For instance, if the tax was placed at 5 per cent, or even 10 per cent, of your income, it would be a very simple matter for anyone to figure out what they owed the Government; as it is, the average business man cannot be sure he is through with his income-tax report until after the statute of limitation has expired. For instance, I have had my attorney pass on a statement and then had a tax expert go over it, after which I signed the report and sent it in, only to receive a letter two or three years later stating that a mistake had been made. By all means, the method of computing the tax should be simplified."

L. H. Sturtevant, president and general manager, Sturtevant Mill Company, Boston, Mass., writes:

"I have read your editorial regarding the income-tax question and believe your logic to be sound; at least it coincides with my views exactly.

"Everyone should feel the responsibility of citizenship and should share in the cost of government. Riches should not be confiscated nor penalized; the capitalist is a very real asset to our community and should be appreciated and encouraged, for without his enterprise this country would soon become stagnant. The sooner the Government and the people realize this fact, the better it will be for society."

W. E. Dunwoody, president of the Standard Brick & Tile Co., Macon, Ga., says:

"I have read carefully, and with a great deal of interest, your editorial on subject of the income tax and heartily endorse everything you have said.

"I do not see that anything can be added and I cannot see where it will be possible to successfully controvert your position. It seems to be that any other treatment of this very important matter would strike at the very foundations of our country."

The Malleable Iron Fittings Company of Branford, Conn., writes as follows:

"The writer is very earnest in his opinion that your attitude is correct. We believe the man with a small income should be required to make his proportionate subscription to the expenses of the country, and realize that he is one of the stockholders in this large corporation.

"We note that some of the members of Congress, who are influential in tax matters, claim that it costs more to collect these small amounts than is received from the collection. This may be so, but if the exemption is made \$5000, as is suggested, thousands of people will be relieved from any share in the expenses of the nation and the attitude of 'letting George do it' will grow accordingly. There is too much of this spirit in the coming generation, and there ought to be a right-about-face in some of these things.

"The Government could save itself a lot of this extra work, of which the tax committee are complaining, by foresight and acceptance of ordinary business statements. We believe it was in 1921, or possibly 1922, the information blank which employers had to fill out did not report as to whether the employee was married or the head of a family. This information was called for at first when this system of reporting was inaugurated, and we believe was called for in 1923 and 1924.

"The result has been that employees of the Government are sending out letters to people who were reported earning more than \$1000, but who were married and with dependents, not subject to tax, and having to handle the replies, all of which is taking a deal of time of Government employees, to say nothing of the time taken by the individuals and their employers in looking up old records and giving information called for. The writer has this morning had to check up 1922 figures for one of our employees who has had this question raised on 1922 earnings."

A. M. Lewis, vice-president and general manager of the Globe Automatic Sprinkler Co., Philadelphia, Pa., says:

"I have always admired your courage, although not always agreeing with you. I therefore read with much interest your editorial from the MANUFACTURERS RECORD of July 16.

"Every man and woman in this country should be required to make an income-tax return and to pay an income tax, and I wish more editors were of your opinion.

"One of our greater dangers at this time is excessive taxation of a few and no taxation for the majority. Every intelligent person knows that you cannot tax the rich man with-

out taxing the poor man indirectly, but if, as you suggest, every man and woman filed an income-tax return and paid an income tax, however small, they would have a greater interest in this Government and be a part of it.

"I recall a few years ago having a stenographer with certain bolshevistic tendencies who was amazed when the Government insisted that an income tax of \$6.80, as I recall it, be paid. The viewpoint of that individual towards taxation immediately changed.

"The Internal Revenue Department seems to be devoting practically all of its time to checking up the tax returns of corporations and wealthy individuals, whereas to my knowledge many individuals who should pay a small tax are not filing any return and no effort is made to make them do so.

"You are on the right track, in my judgment, and I hope you will keep on writing about this subject, for if we do not curb the tendency on the part of the municipalities, the states and the Government to tax excessively a few, we are headed for disaster."

The Smith Endicott Company of Boston, write:

"We heartily agree with your expressed opinions in every respect, and particularly with the points that industry is needlessly handicapped and class feeling fostered by the present system."

From Geo. R. Dempster, president of the Dempster Equipment Co., Knoxville, Tenn., we have the following:

"I consider your cover-page editorial of July 16 as the ablest and most effective criticism yet published on the present income-tax law.

"The United States of America is 'Home, Sweet Home' for all true Americans, whether they be native or naturalized, and I see no reason why the \$3 per day laborer should not be directly taxed for the privileges and the protection he gets from this wonderful Government just in the same proportion as the wealthy man is taxed. The man of wealth pays a large tax for the protection of himself, his family and his property, but should the question arise as to whether his property or his family be protected first we know that each and every one of that class would request that the protection be extended to his family first and to his property afterwards.

"But let us assume for the sake of argument that 50 per cent of the tax received is for protection of his property and 50 per cent for his family and himself. As this \$3 laborer sits on his humble doorstep with the vines twining around the stoop, he probably reflects that as he has no palaces through which to roam, and not many pleasures that he might enjoy, therefore he should not be taxed, but at the same time he gets the protection for his family from his Government for which the rich man would gladly pay 50 per cent or more of the total tax assessed against him each year. Such being the case, I see no reason why this man, who earns his bread at the rate of 30 cents an hour by the sweat of his brow, should not pay a small portion thereof in taxes for the privilege of living under the protection of the greatest Government yet devised by man, where he can proudly call himself an American—a privilege which millions are now striving to obtain. Thousands are backed up at our gateways waiting for an opportunity of becoming part of this nation on its march of continued prosperity and happiness.

"While I have not been so fortunate as yet to reach that particular state of affluence where the taxes are excessively burdensome, at the same time I have noticed with a feeling of alarm the astonishingly heavy increase in the number of young and middle-aged men who have retired from active business and are now frittering their time away on the golf course, after having invested their money in tax-free bonds rather than give practically all of their earnings to the Government under the present unfair system of taxation. We, and especially we of the South, stand in dire need of their ability and their money, and I sincerely hope that through the columns of your greatest of all trade publications, the MANUFACTURERS RECORD, you may be able to bring this matter vividly home to the taxpayers and lawmakers of our land in such a way that they may pass legislation which will more equitably distribute our taxes and save for our future the brains and resources of our ablest and the most progressive citizens.

"I do not know whether you fully realize the influence you wield in shaping the public opinion of the Southern section of our country, but I wish to assure you that we of the provinces have the utmost respect for your integrity and ability, and in the oncoming battle against the unjust income-tax law pledge you our enthusiastic support as you thunder down progressive ideas from your strategic position as the fighting editor of the 'Exponent of America.'"

The point made by Mr. Dempster in regard to the large

number of young and middle-aged men in the South who are retiring from active upbuilding work and giving their time to golf and other pursuits of pleasure is well worth consideration. The writer has never played golf, but he heartily approves of the game as a means of recreation and of health by business men, young and middle-aged, who do not neglect their business for the golf field. So long as it is used as a recreation and upbuilder of health, golf as an outdoor sport can be made a great blessing, but it would indeed be a misfortune if Southern men, by reason of heavy taxation or for any other cause, men who should be leaders in further development work and business expansion, should retire from activities and concentrate their lives upon golf or any other line of pleasure rather than on work and on upbuilding power for the good of their country.

No man enjoying the blessings of this Heaven-favored country has any right to step aside from sharing in the responsibility of carrying forward the work of increasing its prosperity and enlarging the field of employment. Business men are often complaining that the laboring men are inefficient, or fail to do thoroughly satisfactory work, or are shirking their jobs; such are the claims made sometimes by employers and others. But these laboring men have just as much right to loafing time as has the business man. Because a certain business man has succeeded in accumulating wealth, his responsibility for continuing at work and for doing the things which make for the wealth of the country is greater than is the responsibility of the laboring man, in proportion as he has more at stake than the laboring man.

If income taxation is driving men of affairs away from business, causing them to retire early in life, it is, from that point of view, an irreparable harm to the country, and unquestionably it is having this effect in many cases. Whenever the yield from business activity is not sufficiently great to urge the business man on to still larger achievements the result is disastrous to the country, for by driving him out of constructive, upbuilding work this income taxation lessens the effective working power of the nation, and in that way the burden falls directly back upon the laboring man.

Writing on the same subject, E. T. Archer, consulting engineer, of Kansas City, Mo., takes the following view:

"With reference to your editorial advocating the requiring of an income-tax return and the payment of an income tax, however small, from everyone:

"I do not coincide with your sentiment in that connection for the reason that I believe it would be practically impossible to secure returns from a large per cent of the working class of this country, and that an effort in that direction would only result in less respect for the Government by those people, as they would soon learn how to dodge making returns as a large number of people have learned how to dodge the Volstead Act.

"I think the greatest improvement in the tax problem would be a reduction in the surtax, for the reason that it would permit capital to enter legitimate enterprises, with the assurance of a reasonable return on the investment. As it is, a capitalist investing his money in a manufacturing project is required to take the chances of success on the project, and in addition his returns, if commensurate with the risk, are so cut down by taxes that he cannot expect to secure a return on his money in excess of that which he could secure from non-taxable bonds. Therefore, there is no incentive for the investment of funds in active manufacturing or business enterprises; this results in the falling off of the promotion of such projects, which in turn limits the field for the laboring man and directly affects the laboring man more than it does the capitalist."

E. W. Gay, assistant sales manager of the Watson Truck Corporation, Canastota, N. Y., writes:

"If every man and woman in this country were obliged to make an income-tax return, and to pay an income tax, I believe much dissatisfaction now shown regarding such taxation would be overcome.

"There are, undoubtedly, many families wherein two or three members are earning an aggregate of \$2700 to \$3000 a year. Due to the fact that no manufacturer is required to

file with the Federal Government a statement of wages paid an employe below \$1000, such a trio consider themselves exempt from taxation. Knowing the amounts they have earned are not listed tends to create dishonesty and disrespect for law.

"The question which arises in the writer's mind is the cost which would be incurred in endeavoring to tabulate each working individual, regardless of his income. Would the net amount of information gained pay? Surely it would make each and every one realize they had some responsibility in paying for some of the programs which must be met. I am confident that if such a return was required of each individual it would have a great moral effect. Even though the income might be so low as to be beyond a taxable point, each would feel he had done his duty.

"Another question which confronts the writer—if such a law were enacted, would it be enforced? It seems that law enforcement is a great problem before this country."

FOR PEACE IN THE PACIFIC.

NO more wholesome international incident has been noted of late than the visit of the United States naval fleet to Australia and the cordiality of its reception by the people of that land. On the part of the United States, President Coolidge, in a message, besides expressing "confidence that Australia and the United States would join in the purpose to maintain the peace of the world," said, in part:

"In questions touching the great region of the Pacific, I am sure that our aims always will be similar; that with the assistance of the other nations which look out on the Pacific peace will be so clearly the established order that it will become a beneficent tradition. It is my earnest hope that this visit of the fleet will draw more closely the bonds of friendship between our two Commonwealths, that through the understanding so developed it will strengthen our common will to peace."

No better exemplar of the Australian and American "will to peace" in the Pacific could have been devised than a great war fleet. "Other nations which look out on the Pacific" will note the nature of the visiting fleet and the character of its reception and may ponder the significance. Such nations may deride the "will to peace," but they may respect the instruments for enforcements of this "will." Also, Australia may feel that, in event of general warfare in the Pacific, it will not be obliged to carry the burden for a year while America, if involved, belatedly begins to prepare.

Now, let Uncle Sam turn his eyes to lands nearer home and give warning that no nation to the south shall be permitted to lend itself as an armory and an arsenal and training camp for foreign nations which may, or might, contemplate an invasion of the United States.

NO "CONFERENCE" ON MEXICO.

HONORABLE FRANK B. KELLOGG, Secretary of State, in a letter to the MANUFACTURERS RECORD referring to a recent editorial stating that a rumor had emanated from Washington of a conference in regard to Mexico, writes:

"I thank you very much for sending it to me. The article is exceedingly interesting and I am very glad to have had the opportunity to read it.

"In relation to the rumor that the Government is thinking of breaking down one of the buttresses of the Monroe Doctrine by calling a conference of foreign Governments for determining a 'common policy' with reference to Mexico, I can assure you the rumor is without any foundation. This Government has no intention whatever of calling any such conference in relation to Mexico and I am at a loss to know where the rumor started. I am very glad that you called the matter to my attention."

It is extremely gratifying to have this assurance from Secretary Kellogg that there is to be no conference of Governments to be called by the United States in regard to Mexican matters.

ENGLAND'S CONTROL OF RUBBER PRICES AND ITS FIGHT AGAINST COTTON.

THE MORNING POST of London, referring to the protest made by American rubber manufacturers over England's scheme for restriction of raw rubber production, said:

"One country is not entitled to complain if another country raises the price of a commodity. Her remedy is to grow the commodity herself * * *

"Even at the risk of charging our American friends too much, it seems wise to maintain the present system, with such modifications as experience may devise. If rubber is too high at present, we have at least the consolation that it is helping us maintain exchange and pay the American debt."

The doctrine of the Post is entirely contrary to the doctrine proclaimed by English people whenever a living price is paid for American cotton. For 100 years the combined power of the English Government, the cotton manufacturers and financiers of England has been used to break down the price of cotton. When in 1904 cotton rose to a living price, Sir Charles Macara, one of England's great manufacturers, formed the International Cotton Spinners Association, which, he has repeatedly stated, was for the express purposes of breaking down the price of American cotton, notwithstanding the fact that he knew the quantity of cotton was wholly inadequate to the world's needs.

Sir Charles Macara did not originate this policy. It had its origin in England more than 100 years ago, and England has never ceased to fight on that line and to use the utmost power of the Government and of the manufacturing interests to keep cotton on a starvation basis to the growers.

We have no governmental control over industry in this country which would enable us to withhold from the market our raw cotton in the way in which England is controlling the rubber industry, but if in some way the American Government could handle the American cotton industry and feed out cotton slowly, as rubber is being fed out, and put on our cotton a price in keeping with what the English Government has put on rubber, then we would have a howl from England loud enough to wake the dead. Then we would be charged with robbing the English people, and robbing the world of cheap cotton for our own enrichment. That spirit is the one which has prevailed not only in England, but also on the Continent, through the whole history of the cotton industry in America. It is not the kind of spirit that should have prevailed nor the kind of spirit that creates friendship.

England is making one more desperate effort, repeating its failures over a century, in trying to produce cotton in its own dominions to an extent of being independent of American cotton. It will fail, as it has failed steadily during the last 100 years. It will grow a little more cotton from year to year, but the quantity within the next half-century, at least, we venture to say, will not show a sufficient increase to meet the increasing demand of the world for cotton. A living price to the cotton growers of this country would make it possible to bring about, by more intensive cultivation and a larger ability to fight the boll weevil, a production of cotton equal to the world's needs, but that can never come about while cotton sells at a price unprofitable to the grower. Possibly we may some day find a way to imitate England's control of rubber price and Brazil's way of handling coffee. Such an idea was suggested more than a quarter of a century ago by D. A. Tompkins, one of the sanest industrial leaders and thinkers the South ever produced.

Commenting on this rubber situation, the Philadelphia Public Ledger recently said:

"The rubber squeeze to which Great Britain is at present subjecting America is of the very essence of economic warfare. No matter how leniently Americans may be disposed to regard it, there is bound to grow up an ever-pressing

demand for some sort of reprisal. Most Americans probably realize that the British attempt to take advantage of their virtual monopoly in the world's rubber supply is perfectly legitimate from a commercial point of view. They further realize that only through trade profits can Great Britain pay her war debt to the United States. But the feeling is undoubtedly growing that these profits should not be made so exclusively at the expense of American consumers and that a similar move on the part of the United States to return the compliment would not be out of place. We might, for instance, squeeze the British on cotton. If it came to this, the economic war would be on in earnest and the situation would become truly menacing. This possibility is giving the British Government something to think about, as well it may."

We have no governmental machinery at present which would enable us to control cotton prices against the foreign, but this situation will certainly put people to thinking.

WORLD'S LARGEST ARTIFICIAL LAKE UNDER CONSTRUCTION IN ALABAMA.

SOME particulars of the enormous dam and the lake to be created thereby on the Tallapoosa River by the work of the Alabama Power Company have been given from time to time in the MANUFACTURERS RECORD. Additional facts sent out from Schenectady by the General Electric Company show how that company regards the magnitude of this work. This Schenectady dispatch to the Philadelphia Ledger says:

"The world's greatest artificial lake, with an impounding capacity of 530,000,000 gallons, three times the combined capacity of the Ashokan and Kensico reservoirs, which supply the city of New York with all its water, is being built on the Tallapoosa River in one of the remote sections of Alabama. It will be known as the Cherokee Bluffs Lake, will have a shore line of more than 700 miles, and will cover 40,000 acres of farm and forest land.

"The new lake will serve a twofold purpose: Generation of electricity to care for the industrial progress of the state and make a vast section of the country south of the body of water 'frostproof,' thereby being advantageous to fruit growing.

"The development is being undertaken by the Alabama Power Company and is expected to be completed late in 1926. Three electric generators, each driven by a 45,000-horsepower water-wheel turbine, will be furnished by the General Electric Company. These will be the largest generators in operation in the South; in fact, the largest in the country outside the 70,000-horsepower machines recently installed by the General Electric Company at Niagara Falls.

"To gain a proper conception of the immensity of this development, comparisons are interesting. Against the 530,000,000 gallons of Cherokee Bluffs there will be 170,000,000,000 gallons at Muscle Shoals. The Roosevelt Dam Reservoir, hitherto conceded the largest artificial body of water in the world, impounds 420,000,000,000 gallons, and the Hetch-Hetchy Reservoir in California now contains 67,000,000,000 gallons, and has facilities to increase this to 114,000,000,000 as requirements increase.

"In the construction of this project it was necessary for the Alabama Power Company to build a city for 3000 persons in a wilderness and a railroad connecting with a distant trunk line. To make the reservoir safely navigable, healthful, as well as beautiful, the company is expending approximately \$1,000,000 in cleaning the land of timber and underbrush.

"Several sawmills have been set up and the trees are being sawed into lumber to be used in the construction of the dam and for other useful purposes.

"This vast storage of water will assure four and a half feet navigation in the Alabama River, into which the Tallapoosa flows, virtually the year around to the Gulf of Mexico. The danger of overflow in both the lower stretches of the Tallapoosa and in the Alabama rivers will be reduced to a minimum, thus freeing from the hazard of flood some of the richest farmland in the South."

THE PATRIOTISM OF THE SOUTH IS EMPHASIZED.

AS "a keepsake and as a constant reminder of one of the most momentous incidents in the history of our nation," the Fireman's Fund Insurance Company of Atlanta has sent to each of its 2000 agents in Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana and Texas one of the Stone Mountain Memorial half-dollar coins struck off by order of Congress in tribute to the "Valor of the Soldiers of the South."

In an attractive folder for each coin the company cites half a dozen interesting features connected with his form of memorial:

"It is the only coin ever minted to memorialize the valor of a soldier.

"It is dedicated to the memory of the vanquished, rather than the victorious.

"It is said to be the only equestrian coin ever minted.

"It is the largest special issue of coins ever authorized by any Government.

"Its coinage was unanimously and graciously authorized by an Act of a Republican Congress and made possible by a Republican President.

"Its issue 60 years after the War Between the States, by the representatives of a reunited people, is an everlasting tribute to the patriotism of the nation."

And, further, it adds that "this unanimous act of the Government unmistakably evidences a profound respect for the bravery and unselfish devotion of Confederate soldiers and sailors * * * the hearts of the victors now voluntarily warm to the vanquished Lee and Jackson as great Americans."

Really, does not the most substantial significance of the nation's tribute to the soldiers of one section lie in its emphasis of the reconciliation of the South and the North, rather than in the statement given? The patriotic acceptance of the verdict of a majority of the people was expressed wholeheartedly and in profound sincerity by the South years—even decades—ago. It was proved concretely and beyond question in the war with Spain and in the great World War. Not for years, we believe, has any other thought about the South been entertained in the North. This coin, therefore, is also a memorial of the national reunion consummated many years ago.

This patriotic example of the Fireman's Fund Insurance Company in distributing these coins should awaken and inspire the entire South to circulate its full allotment of the issue. To fail in this would be indication of a lack of appreciation of the nation's gracious action and the Southern valor which inspired it. It might almost be taken as indication of lack of that courtesy for which the South is famous throughout the world.

Moreover, on the more material side, the purchase of each of these coins at \$1 is a substantial contribution to the fund being raised for the completion of the great Confederate Memorial "on the towering granite escarpment of Stone Mountain," as the Fireman's Fund Company expresses it in its folder. The purchase of each coin will help to carve this "indestructible tribute to the valor of the Confederate soldiers and sailors, the heroes in gray whose devotion and unselfish patriotism will forever remain the proudest heritage of the South," as the folder adds. Noted sculptors and artists, as the folder cites, have stated that when this Memorial is finished it will represent the Eighth Wonder of the world.

The South owes it to itself, both sectionally and nationally, to contribute its full strength to the completion of this sectional and national Memorial. The Fireman's Fund Insurance Company has played its part. Its fine example should be widely emulated.

Great Britain's Disastrous Coal Settlement.

FACED with the danger of a great coal strike which might, perhaps, have included other interests, the British Government has cowardly backed down, exactly like this Government backed down when threatened with the bludgeon of a railroad strike, and dominated as the President and Congress were by a few men who, under the circumstances, were almost, if not quite, guilty of treason, passed the Adamson bill.

As bad as that surrender was, Great Britain's surrender to the coal miners and the coal operators is still more disastrous, and perhaps equally cowardly. To attempt to pay a bonus to the coal industry in order to avoid a strike means that every other industry, railroads included, in Great Britain will sooner or later demand that they be paid a bonus or else they will strike. Far better would it have been for the future of Great Britain if the Government had resolutely determined that there should be no rioting and no violation of law, if it took the entire power of the Army to maintain law and order, and then left the matter to operators and miners.

It cannot be denied that the coal situation in Great Britain is a very desperate one—desperate because the men are not working long enough hours, and because they are not producing enough per man to reduce the cost of coal mining to any figure which would enable Great Britain to compete with Germany. It also is true that the increasing consumption of liquors in Great Britain is breaking down the physical and moral stamina of its working people to an extent which we in America can scarcely comprehend. Added to this condition is the destruction of the morale and stamina of British laboring people by the dole system, which, while it costs several hundred million dollars a year to maintain in idleness many people who ought to be at work, has done far more harm than merely the loss of the money itself. The breakdown of the morale of the working people, making them ready to be pauperized in this way, is a far greater loss to Great Britain than even the hundreds of millions it annually pays out in actual cash for the maintenance of the unemployed. Many of these unemployed definitely refuse work because, with the dole which they get for themselves and their families, they have an income almost equal to anything they could earn by work, and are thus tempted to live in perpetual idleness.

This great blunder, made at the close of the war, partly for the purpose at that time of helping to take care of the returning soldier, has intensified the whole industrial depression in Great Britain, and also the depression of the character of its working people.

The entire industrial chaos which now exists in that country can also, to a large extent, be attributed to unwise financial management. The certainty of the present depression was foreseen by many men who warned the nation against the financial mismanagement, pointing out that this situation would inevitably lead to greater and greater industrial and business depression. These predictions are coming true, intensified day after day, and no one who honors Britain for its magnificent work of civilization in the past can but mourn at the conditions which have now been brought about

by financial and Governmental mismanagement, closely united as they are in many things. No English statesman has appeared upon the scene since the war who had the power and the judgment to control this situation and re-establish the industrial and business prosperity of Great Britain. Though victorious in the war, Great Britain has suffered far more since the war than Germany, and this has been due not to the direct effect of the war, but to financial and Governmental maladministration, with the climax, for the present at least, of the surrender to the coal interests, thus setting an example for similar destructive work on the part of all other laboring classes.

Two years ago the vice-president of the MANUFACTURERS RECORD was repeatedly told by some of the very highest banking officials of Great Britain that they were far more interested in the restoration of trade with Germany than they were in reparations. They were eager to see Germany back on its feet industrially for the hope of restoration of England's trade with Germany. Vain delusion! They shut their eyes to what was inevitable to outside people, who knew that a prosperous Germany would mean the destruction of much of England's foreign trade, as well as of its domestic industry. With the extremely low wages prevailing in Germany, in Belgium and elsewhere on the Continent, it is entirely possible for these countries to produce at a cost which Great Britain cannot possibly meet, either in coal mining, iron and steel making or shipbuilding. They are, literally, cutting the throat of Britain's industrial life.

Instead of facing that fact and reorganizing its financial system on a safer basis for its own industries, making it impossible for strikes in any trade to become productive of criminal lawbreaking, the British Government cowardly surrenders and opens the way for endless turmoil in the coming years. No American loving Great Britain and appreciating what that country has meant for the betterment of mankind can fail to view with profound sorrow the decline of British statesmanship and British backbone and the morale of the British working people by the dole system, intensified by the vile curse of drinking, which is increasing its hold upon the working classes of that country. While the working people of this country are becoming more and more freed from the evils of the liquor traffic and are making more money and saving more money than ever before, the very opposite situation prevails in Great Britain. And yet the British people to a large extent refuse to see this condition and its inevitable outcome.

The action of the British Government in regard to the coal miners really means the practical nationalization of the coal industry, for which all the Socialists and Communists and Bolsheviks in the world have been working, and when once they have accomplished that purpose they will then keep on in their campaign for the nationalization of all other business interests, including the railroads. Then chaos will be the end.

It is true the same influences are at work in America, but it is not likely that the American people will ever surrender to them, for, if they do, that would mean chaos here.

WE HOPE SO, TOO.

FRANK STEFFNER, president of the Chattanooga Armature Works, in a letter to the MANUFACTURER RECORD, referring to special articles in our issue of June 25, writes:

"I find all issues intensely interesting and firmly believe you are doing more to preserve our American Government than all the other papers combined. I pray that your kind, like the tribe of Abou Ben Adhem, may continue to increase."

THE INDUSTRIAL DEVELOPMENT OF FLORIDA COMMANDING ATTENTION.

LAST winter the MANUFACTURERS RECORD began a campaign looking to awakening the interest of the people of Florida, and of the country at large, in the possibilities of industrial development in that state. One of the suggestions made, and which received the warm approval of the Governor and many leading men, was for an industrial survey of Florida, in order to discover what are the real advantages of that state for manufacturing. That survey has not yet been undertaken, but doubtless the interest aroused will bring this about in time.

One illustration of the possibilities for industry in Florida is shown in the recent announcement in the MANUFACTURERS RECORD of the proposed establishment at Tampa of a cement plant to be built by some of the leading cement makers of the country and to have a daily capacity of 5000 barrels. Last year cement makers from other sections thoroughly investigated the advantages of a cement plant to be located near Ocala. They spent considerable money and were prepared to go ahead with the building of a plant to have a capacity of about 2500 barrels per day, but owing to inability to secure satisfactory freight rates from the railroad on whose line the plant was to be established the matter was abandoned.

The resources of Florida for industrial development are great, but they have never been adequately investigated, and thus the ways in which they could be utilized have not been made known. Florida, rampant in the spirit of development with special reference to town building and real estate development and railroad expansion, cannot afford to depend upon these interests alone for its future. Their permanent success depends upon industrial progress.

This fact is fully understood by Vice-President H. N. Rodenbaugh of the Florida East Coast Railway Company, who, writing in regard to the editorial in our issue of July 16, entitled "Florida Should Give More Attention to Industrial Development," says:

"I read the article and was deeply impressed with it. Every statement made in it is true. Every well-wisher of the state of Florida should read it and carefully consider the wisdom that it contains. If Florida is to become the great state that we want it to be, it must consider, and very shortly too, the matter of developing its agricultural and industrial possibilities. If the trend of civilization is toward the South, as I noticed one writer observed in last Sunday's edition of the New York Herald Tribune, then we in this unusually favored state should be taking steps to find reasons for encouraging the establishment of industries and the further development of agricultural activities so that sound reasons can be given for making this territory a place for permanent residence. * * * This railway company is keenly aware of the desirability of encouraging both industrial and agricultural developments. It is at the present time working in the direction of strengthening its industrial and agricultural department. Your article is a splendid one, and I sincerely hope that it has received the profound study its wisdom warrants."

Every railroad operating in Florida, every great land company and every other development agency should unite in a campaign for securing the establishment of industrial enterprises throughout the state. The permanency of the present rate of growth and the security of real estate operations make this vital. The field for industrial development is great; resources of many kinds are abundant; but practically nobody in Florida, no business interest, no railroad officials, so far as we can learn, have yet concentrated any real, serious attention upon the question of industrial development. It is true that Hollywood interests are offering \$20,000 in cash prizes for suggestions as to the most desirable

industries for Florida, a very wise and helpful plan which is attracting much attention, but this is not enough. The railroads, the state, the cities and the big landowners must all work intelligently under the leadership of able experts to develop Florida's industrial potentialities, and this should be done at once.

We are glad to learn from Mr. Rodenbaugh's letter that the East Coast Railway Company is strengthening its industrial department and studying this problem. For that department it should secure the ablest men to be had in the country. The money allotted for the work should be as generous in amount as the importance of the subject demands. That company, through its industrial department, should know the resources of the East Coast so thoroughly that its people could go intelligently to manufacturers and capitalists throughout the country and point out where specific industries could be located to advantage.

And the suggestion we are making to the East Coast Railway applies with equal force to the Seaboard, to the Atlantic Coast Line and to every other railroad entering, or proposing to enter, Florida. The present development of Florida will become topheavy and dangerous unless it be supported by industrial development, such, for instance, as other states in the South are basing their material advancement upon.

IMPORTANCE OF THE FRISCO SYSTEM'S ENTRANCE TO PENSACOLA, FLA.

THE importance of the entrance of the St. Louis-San Francisco Railroad system into Pensacola that will come about as a result of the deal recently announced in the MANUFACTURERS RECORD, and which is to be submitted to the stockholders for approval September 4, will be very great. It will affect not only that city and seaport but the whole state of Florida, for the Frisco system, as it is generally called, has 5244 miles of line in operation through the eight states of Alabama, Mississippi, Tennessee, Arkansas, Missouri, Kansas, Oklahoma and Texas, and it extends from Birmingham to Memphis, St. Louis, Kansas City, Fort Smith, Joplin, Tulsa, Oklahoma City, Dallas and Fort Worth, besides other important places in the several states traversed by its lines.

To operate its trains into Pensacola over the Muscle Shoals, Birmingham & Pensacola Railway, which was acquired for the comparatively insignificant sum of \$229,000, it will be necessary to build 125 or more miles of new line from Kimbrough, Ala., the northern terminus of the latter line, 143 miles from Pensacola, to a connection with the Frisco's line into Birmingham, but that it is understood will be speedily undertaken. The Muscle Shoals route has terminals at Pensacola in the way of docks, piers, warehouses, etc., and the entrance of the Frisco there will result in their enlargement and expansion, for it has long been the desire of the system to reach a seaport on the Gulf of Mexico where it could have its own terminals for the development of export and import freight traffic. There is also the prospect of developing a large passenger business because of the widely spread routes of the Frisco to and from important points in the West and the Southwest.

Situated at the western end of the state of Florida, Pensacola promises to attain a remarkable development as a result of the deal which will bring the trains of a great trunk-line railroad through its gates, and the transaction will also be of extended benefit to the rest of the state because of the enlarged transportation facilities that it will provide to adequately meet the needs of its fast-growing population. These leading citizens of Pensacola who devoted their energies to bring about the deal with the Frisco system have done their municipality and their Commonwealth a favor the greatness of which will be truly realized only with the passing of time.

"Prohibition Has Justified Itself."

THE Prohibition survey made by the MANUFACTURERS RECORD has attracted nation-wide attention and a summary of it was cabled by one of the press associations to British papers. It is the big event of the day in the discussion of this great problem. It will hearten every advocate of Prohibition throughout the world and enrage and dishearten every liquor advocate. It will ultimately sound the death knell of the fight of the anti-prohibitionists, for it shows that all of their propaganda for liquor is based on a rotten foundation.

Commenting on this survey, the Birmingham Age-Herald says:

"One reason why Prohibition stands unshaken in the midst of all this voluble turmoil of denunciation may be found in an inquiry conducted by the MANUFACTURERS RECORD. It seems that three years ago the MANUFACTURERS RECORD published letters from several hundred leading business men and educators throughout the country expressing their views on Prohibition. The sentiment was overwhelmingly in favor of Prohibition. Certain ones who thought the sentiment of these men had undergone a tremendous change challenged the MANUFACTURERS RECORD to write and ask them again as to their present views.

"This is a most significant result. It shows how groundlessly the propagandists of the liquor interests have sought to make it appear that public sentiment has reacted against Prohibition. As the MANUFACTURERS RECORD says:

"The combined liquor interests of the world are trying to break down Prohibition in America, using their utmost power to influence public opinion for this purpose."

"They are doing more than that. They are actually seeking to undermine our respect for law and to give the impression that the Government is impotent in the face of American sentiment against law enforcement. It is time for the supporters of law and order to seek one another out and to stand shoulder to shoulder for the upholding of Government itself. It would come to that if the liquor forces found such an extreme feasible and necessary to the success of their program."

The Harrisburg (Pa.) Telegraph, in closing a lengthy editorial on this survey, makes the following significant comment:

"There comes to the office of the Telegraph every day carefully formulated 'publicity' in favor of booze, and it is to be noted that to the last word of it the source may be traced to those who desire the repeal of Prohibition laws that they might make money from the business of dealing in drink. Paid agents of this group are responsible for a vast amount of propaganda published by unwitting editors or spread by word of mouth by those who have not yet gotten beyond the point of feeling for the bar-rall when they step up to a counter. The earmarks are plain to the careful observer. But it is heartening, nevertheless, to friends of Prohibition to receive such a mass of testimony the other way as the MANUFACTURERS RECORD is prepared to present."

E. C. Yellowley, chief, General Prohibition Agents, United States Treasury Department, writing the MANUFACTURERS RECORD, says:

"I have read the letters on Prohibition with a great deal of interest. I think your efforts in bringing the views of these leading men before the public is a distinct contribution to the cause of Prohibition, and I desire to express my hearty appreciation of your splendid co-operation.

"It is, indeed, gratifying to have such representative citizens declare that they are unreservedly for the enforcement of the Prohibition law. If we can inculcate in the masses respect for this law, we will have gone a long way to enforce it."

Rev. Dr. E. S. Shumaker, superintendent, Indiana Anti-Saloon League, Indianapolis, Ind., writes:

"We mailed you a check to pay for 25 copies of the MANUFACTURERS RECORD, containing the report on Prohibition, to be sent direct to this office. I wish that we had the funds that we could purchase and distribute them by the thousands."

A. J. Frame, chairman of the Waukesha National Bank, Waukesha, Wis., says to the MANUFACTURERS RECORD:

"As a sample of the great good your former pamphlet did,

which I took occasion to distribute a number of copies of, I have no doubt but that your new one is all you claim; therefore, I enclose check for \$5 with order for 10 copies, and when received I will endeavor to put them where they will do some good. What more need I say?"

Another proof of the great concrete good accomplished through this symposium is found in a letter from Wayne B. Wheeler, general counsel and legislative superintendent of the Anti-Saloon, Washington, D. C., ordering 100 copies of the pamphlet, and saying he proposes to "boost" it in every way that he can. R. R. Kayler of York, Pa., also feels he can make good use of the pamphlet, and Arthur J. Davis, state superintendent of the Anti-Saloon League of New York, sends a check for 100 copies.

"I am confident that a distribution of your pamphlet would be helpful to the Prohibition cause in this vicinity," writes George H. Bardon, representative of the Mutual Life Insurance Company of New York at Dover, Pa., and A. D. Reynolds, manufacturer and capitalist, Bristol, Tenn., "feels that the MANUFACTURERS RECORD ought to be encouraged in this enterprise," and indicates a forthcoming order. Also, Rev. John F. Vines, First Baptist Church, Roanoke, Va., "appreciates the great stand the MANUFACTURERS RECORD always has taken in every moral fight."

Under the caption, "Where Prohibition Blesses," the Charlotte Observer says, in part, in an editorial:

"One has only to go into the homes of the American working people to find visible manifestation of the wholesome operation of Prohibition. After taking note of the improved conditions in these homes—of the happier, healthier and better-clothed men and women, boys and girls—the next step in revelation is taken to the savings institutions and building and loan associations. There one will find the pyramided wealth that formerly went into the saloon door. It is in the world of the working people that the blessings of Prohibition shine the brightest. The MANUFACTURERS RECORD has ever been a strong advocate of Prohibition, and it has also been advertent to the benefits of its operation. But to secure and proclaim the truth from sources of observation and responsibility it had resort to the interview process. The manufacturers and employers of labor know best, because they have been in better position to observe. The men interviewed had three years ago written in praise of Prohibition, and it was to ascertain if their views had changed that the MANUFACTURERS RECORD submitted its questions. Mr. Edmonds, publisher of the Baltimore journal, had feared that there may have been some change of opinion by reason of the lawlessness which has existed in recent times, but he reports that out of considerably more than 100 letters so far received, only three express any change of views on the Prohibition question, the others being pronouncedly in favor of Prohibition both from the moral and economic standpoint."

The Miami Herald in an editorial, "Prohibition Popular," says:

"Three years ago the MANUFACTURERS RECORD of Baltimore printed letters from leading business men, bankers, merchants, manufacturers, doctors, lawyers and railway officials giving their views on Prohibition. Practically all of them endorsed Prohibition and the Volstead law.

"Recently the paper was challenged to again ask the same men what they think of Prohibition now and to print their replies. The challenge was accepted and the test made.

"More than 100 replies have been received. All but two declare again for Prohibition, and the only fault found with the Volstead law is that it is not as drastic as it should be. And the two who admit a change in their views on the question do not declare for the abandonment of the Prohibition principles; they merely suggest that the difficulties in the way of enforcement might be lessened by moderating the law.

"Anti-prohibition forces must apparently reckon with hard-headed business men as well as the so-called 'reformers' in their fight for the saloon."

The York (Pa.) Gazette and Daily News says in an editorial, "Still Very 'Dry.'":

"Leaders in American industry, educators and others with opportunity for observation in a large way have told the

MANUFACTURERS RECORD of Baltimore that, to their minds, National Prohibition has justified itself. * * *

"Not only will the MANUFACTURERS RECORD of the current week publish these replies, but they will all be issued in pamphlet form for those desiring them for circulation. They ought to prove interesting reading as refuting the oft-repeated assertion of the 'wets' that the country would vote overwhelmingly against Prohibition if given a chance."

An editorial, "Prohibition Approved," in the Nashville Banner, says, in part:

"The MANUFACTURERS RECORD is publishing a lot of letters from very prominent manufacturers and business men of the country, giving their views in regard to Prohibition, covering nearly 20 pages of that periodical. These letters are in reply to a questionnaire as to whether these men, who three years ago had written in favor of Prohibition, had seen any reason for changing their views by reason of the lawlessness existing throughout the country. Out of considerably more than 100 letters so far received, only three express any change of views on the Prohibition question, the others being pronouncedly in favor of Prohibition both from the moral and economic standpoint."

"It is claimed by these letters that there has been a vast improvement in the condition of the laboring classes; that men are now saving the money which they formerly spent in the saloons; that the women and the children are better clothed, better housed and better fed than ever before by reason of the men taking their weekly pay home instead of spending it for drink on the way home. This is the almost universal testimony of manufacturers from all parts of the country and of leading physicians and bankers."

Sam. C. Smith of W. M. Smith & Co., scrap iron and steel, Birmingham, Ala., writes as follows: "Your splendid defense of Prohibition at a time when it seemed most unpopular should wring admiration even from its enemies."

R. S. Lord, president, Hope Engineering & Supply Co., Mt. Vernon, Ohio, writes:

"On picking up your issue of July 30 today the front page again appealed to the writer, and he immediately took notice of the letters you have received on the subject of Prohibition, together with the editorial on these letters. We are certainly highly pleased at the attitude which you express in that editorial. It is certainly true that the business man who defiantly determines that the Eighteenth Amendment shall not apply to himself will do more injury to this country than the Anarchists or Bolsheviks can hope to do. We are much interested in receiving the pamphlets which you are about to put out, showing letters from leading business men. Kindly consider this as an order for ten such pamphlets, for which find check enclosed. We also request that you send us an additional copy of the July 30 MANUFACTURERS RECORD."

And other letters are coming in every mail.

CALIFORNIA HEAT AND EARTHQUAKES.

MRS. BENJAMIN HASKELL of Daytona Beach Fla., who is motoring on the Pacific Coast with her husband, writing in a personal letter of Los Angeles, says:

"This place is undoubtedly the hottest I have ever been in, and contrary to usual belief it is just as hot at night as in the day. I will never be able to look at another movie without thinking how the poor actors and actresses must have suffered if the picture was made in Hollywood."

"Santa Barbara is beautiful—beautiful, but more or less ruined. They have near-quakes ever so often, which they keep quiet about. When we were there, day before yesterday, that is, on the 15th, they told us proudly that they had not had a shock for two days."

And yet people by tremendous advertising are being persuaded by the thousands to visit the Los Angeles section and endure its terrific heat and get a chance every now and then at a good earthquake shock.

Contrast these conditions with the advantages of any part of the South, whether it be in Florida or in Texas, and we can see how superior are the South's advantages to this intense heat of the earthquake-ridden region of southern California.

THE GOVERNMENT "COMPOUNDS WITH CRIME."

FROM the top bank of a display head on a news article in the New York Herald Tribune, July 27, one learns that "Bargain Week" Opens for 2000 Rum Offenders" in the United States Court sitting in New York city. In the body of the article one reads:

"With United States District Attorney Buckner urging light fines and no jail sentences for all who plead guilty, and thereby save the Government's time in waiving their right to trial by a jury, Judge Edwin L. Garvin will wade into a calendar crammed with 2000 prohibition cases in Federal Court this morning."

Further, United States District Attorney Buckner is quoted as saying:

"I have recommended, and I hope Judge Garvin will approve, the imposition of fines from \$50 to \$100 on all who plead guilty—and jail sentences for all who stand trial and are convicted. We want to clear our shelves of all stock of this character and we hope to open in the fall with an entirely new line of prohibition goods. We shall discontinue the five and ten cent counter. * * *

As the United States District Attorney for the Southern District of New York professes to see them, and as he hopes the United States judge in that district also will regard them, these are more or less trivial cases. He would devote the activity of his office and of the court to "big" cases, only. And, he alone is to decide which are the "big" cases and which the "little." "You have broken the Prohibition Amendment and the Enforcement law only \$50 worth—just leave the money with the clerk over at that desk and run along," says the United States prosecuting officer, in effect. Of course, the Court will impose the sentence, but Mr. Buckner recommends and hopes the Court will accept his price tags on this bargain "stock."

On this precedent, cash prices for the violation of the law—of any Federal law—may be standardized. Here you are! Full settlements for crime at \$50, \$75 and \$100. Buy 'em as often and as many of 'em as you want. Immunity from jail sentence guaranteed. The United States District Attorney and the Federal Court are Uncle Sam's only authorized agents for the Southern District of New York.

"IT IS LITTLE SHORT OF COMPOUNDING WITH CRIME FOR THE GOVERNMENT TO TAKE THIS DIRTY MONEY AND CALL IT RIGID ENFORCEMENT OF THE PROHIBITION LAW"—these words are not those of the MANUFACTURERS RECORD, but of District Attorney Buckner, the Government official sworn to the prosecution of all offenders without discrimination and without favor. This statement is not a charge by the MANUFACTURERS RECORD; it is a confession by the United States District Attorney.

But, responsibility for these conditions is not to be laid on the shoulders of the United States prosecuting officer, but is to be debited against the Prohibition officers who foolishly arrest violators of the law. Says Mr. Buckner:

"Federal officials have been trying to run a Marathon on flypaper. The piling up of arrests and the collection of hundreds of thousands of dollars' worth of fines—which are called 'convictions'—make a very impressive record, but from the standpoint of law enforcement this is nothing but a farce."

Mr. Buckner is in error. It is not the making of such arrests of criminals that creates this "farce," but the policy of the Federal prosecuting official in "bargaining" with the offenders and exchanging immunity from jail, with the privilege of indefinite repetition, for their "dirty money." And in the execution of this policy the courts of the land become, apparently, a willing partner.

There can be no discrimination, Mr. Buckner, between "little" criminals and "big" criminals in Prohibition enforcement. As a matter of fact, the "little" fellows are the channel through which the "big" fellows let loose floods of illegal liquor—floods of moral, mental and physical poison—

on the people at large. If this channel be closed, the "big" criminals will have no funnel through which to pour the flood of illegal liquor from their demijohn.

Nor, from observation, are law-respecting citizens encouraged to believe or even hope that the present standards of punishment meted out to the "big" fellows will dampen their ardor or activities. What means a year or so of almost luxurious life in a Federal penitentiary to such men, at the rate, say, of \$200,000 a year, which they amassed in their career of crime? They do not suffer from "disgrace," for they feel none; rather, they pose and are acclaimed by their friends as "heroes" or "martyrs." They emerge, unrepentant and unashamed—virtually, unpunished—to resume their life of crime, with only a determination not to be caught again.

There is only one way adequately to punish the "big" fellows, and this is the way to do it: Take from them every cent they have accumulated in their criminal business. Their pocketbook is their vulnerable point. In that alone do they feel pleasure or pain. Strip such a criminal of his "roll" and he will shrivel into the most miserable shrimp to be found among all mankind. At a small fine and short term of imprisonment, with every prospect of parole at the end of one-third of this term, the bootlegger merely laughs; despoiled of his bank account, he will shed tears of real agony. Then, jail him also.

There is only one way adequately to punish the "little" fellows: Put them in jail for a reasonable period. Lock them up, without the privileges reputedly enjoyed in confinement by the "big" fellows, and they will suffer. Moreover, their families and friends will be pretty apt to discourage them from criminal activities in the future.

Assertion is made that the Prohibition law "cannot be enforced." It can be and will be when sworn United States officials, in the prosecutors' offices and on the bench, make an effort to convict and adequately to punish men charged by active and conscientious enforcement officers with violating the Constitution and breaking the law. It will not be, and cannot be, enforced until an effort for its enforcement is made by Federal prosecutors and judges on the Federal bench.

Incidentally, it may be added that the Government's first "bargain day" in "clearing its shelves" of this "5 and 10 cent stock" netted \$16,290. As the New York Herald Tribune put it, "189 penitents pleaded guilty, at the rate of one a minute, and paid fines of from \$20 to \$100; 176 cases were dismissed, 60 failed to appear and 15 others braved jail sentences by demanding trials."

At the close of the first day's business "Judge Garvin and Mr. Buckner hoped they would romp through a calendar, which had 2000 criminal actions" in the course of a week.

CREDIT WHERE CREDIT IS DUE.

GREAT credit for North Carolina's progress, materially and educationally, is being given to Aycock and McIver, two educational leaders of great power of former days, but back of and behind their work was the work of D. A. Tompkins, the industrial leader, the sane editor and the public speaker, the living exemplar of educational power.

Born in South Carolina, Tompkins settled in Charlotte, and by work and example, by teaching and practice, he created an atmosphere for education, for good roads, for industrial progress which plowed the ground and fertilized it heavily, so that the seed sown by Aycock and McIver and others produced a harvest. Without his work, their seed would have fallen on rocky and barren soil.

North Carolina should build to Tompkins the greatest monument which that state can erect that it may tell to coming generations what one man can accomplish when he is made of the right stuff.

SEABOARD AIR LINE'S \$25,000,000 BOND ISSUE FOR EXPANSION OF SYSTEM IN FLORIDA.

THE heavy oversubscription to the \$25,000,000 bond issue of the Seaboard interests for the extension of that system in Florida marks one of the most important railroad events of recent years. The \$7,000,000 bond issue of the Florida Western & Northern sold last year by the Seaboard for its line to West Palm Beach will be redeemed out of this \$25,000,000 issue. The balance of the money is to be used for building new lines in Florida, including an extension of the Seaboard's system from West Palm Beach to Miami, which President Warfield promises to have ready in time for next season's heavy tourist travel.

This movement on the part of the Seaboard will of necessity stimulate the Florida East Coast Railway and the Atlantic Coast Line to expand their systems and their facilities for business on a much larger scale than is now in evidence, or otherwise they would find the Seaboard becoming the dominant railroad power of the state.

Last winter, at a banquet in Daytona, Darwin P. Kingsley, president of the New York Life Insurance Company, who for years had been thrown into the most intimate relation with President Warfield of the Seaboard, gave unstinted praise to Mr. Warfield as one of the really great constructive upbuilders of this age. "Mr. Warfield," said he, "will in time rank in Florida development as Flagler and Plant have ranked." Probably no man in the country is better able to measure Mr. Warfield's capacity for doing great things, because Mr. Kingsley was one of the active workers with Mr. Warfield in the development of the Railroad Securities Organization, which represents about \$10,000,000,000 of railroad securities, and it was through Warfield's activities that that organization succeeded in putting through a bill in Congress which it is now generally admitted saved the railroads of the country from a complete financial collapse.

Mr. Warfield's activities in the development of his railroad system in Florida are not new. For many years he has realized as few railroad men besides Mr. Flagler have done what the future of Florida is to be. Some 10 or 12 years ago while he was making a quiet but careful survey of the possibilities of that state he wrote the editor of this paper, saying: "Florida, I think, is destined to be the richest state in the Union." At that time comparatively few of the great business leaders of America or railroad officials would have dared to make such a prediction, but Mr. Warfield saw the situation then, and ever since has been quietly but aggressively working to accomplish his purpose of extending the Seaboard's system to every section of Florida.

If the Atlantic Coast Line and the East Coast Railway people are as wise as they should be (which we hope they are), instead of opposing these extensions before the Interstate Commerce Commission they should frankly say to that Commission: "The growth of Florida is on such a stupendous scale that we heartily welcome the extensions of the Seaboard's system, knowing that there will be business enough for that road as well as for our systems." Such a policy as that would make innumerable friends for these roads and would be an advertisement of Florida's future of commanding power in still further hastening the development of that state. If the officials of these two roads are shortsighted and narrow visioned (which we hope they are not), they will undertake to stop the building of these Seaboard extensions either before the Interstate Commerce Commission or in some other way. We trust that for their own good they will take the broader view and welcome not only the Seaboard but every other railroad which can be built into Florida.

This railroad expansion in Florida is, we believe, merely suggestive of the expansion of railroad facilities which is to take place throughout the entire South, for the prosperity of

Florida, now attracting nation-wide, indeed, almost world-wide, attention, is only a precursor of that tremendous prosperity which in the near future is to sweep over the entire South.

Southward the march of men and money is headed. The nation's eyes are fixed upon this section as the most promising field on earth for investment and development. No one for a moment need imagine that Florida is going to concentrate upon itself the full force of this movement. Every state in the South will share in this new era of prosperity, which will surpass any ever seen, we believe, in any other portion of the United States, just as Florida today is surpassing in its marvelous activity anything ever seen by any other state in the Union, not even excluding California in the palmiest days of its development.

FOREIGN CAPITAL COMES TO THE SOUTH.

TWO views may be taken of a news item in the MANUFACTURERS RECORD announcing that the American-Bemberg Company, with \$17,500,000 capital, has selected Johnson City, Tenn., as the site for the huge mill in which it will manufacture rayon, artificial silk, and that this company is "closely allied" with the I. P. Bemberg Company of Bremen, Germany, and the Vereinigte-Glantzstoff-Fabriken interests of Elberfeld, Germany.

Gratification will be felt throughout the South that such a great enterprise has found a city in that section most suitable in every way for the establishment of such an important industry. Such sites are not chosen in haphazard fashion. The proverbial "thousand and one" details for the establishment and harmonious maintenance of a profitable plant must be weighed from every angle; Johnson City is to be congratulated for winning out.

As another feature, the investment of this foreign money in an enterprise to be operated in the United States is interesting in more ways than one. It affords employment for American labor and provides for the distribution of a foreign payroll in America; and it should be an emphatic object-lesson to American financiers and investors, especially those who float loans for foreign enterprises with American money and those who invest this American money, as showing that there is no valid reason under the sun why Americans should prefer to send their money abroad when great opportunities for safe and profitable investment are to be found in the United States, particularly in the South.

CO-OPERATION SUGGESTED IN COTTON MANUFACTURING.

LEE RODMAN, president of the Indiana Cotton Mills, Cannelton, Ind., in writing to the MANUFACTURERS RECORD expressing his appreciation of a copy of the Blue Book of Southern Progress, says:

"In your recent letters you have asked me a good many questions that it will be hard to answer. However, one thing is certain—the cotton mill industry will not continue to expand until there is more co-operation and the industry adopts methods for the collection of data as to production, stocks and costs, instead of going it blind as they have done for so many years. It is hard to understand why an industry will pay from five to seven cents a pound more for its raw materials than it can get out of its manufactured product, as they have done last year and this year. There is room for great constructive work among the mills North and South, and the man or men who can persuade the industry to get on a business basis will deserve the thanks of the entire country."

"A LAY SERMON."

NO single article published by this paper ever brought forth so many letters of enthusiastic commendation as have come to us in appreciation of "A Lay Sermon," which appeared in the issue of July 23. A number of requests have been made that it be republished in pamphlet form. We desire to accommodate those who have urged this, but it has seemed to us that a reprint in a four-page form would answer all purposes. This has been done, and anyone desiring one or more copies can secure them at 3 cents a copy, including letter postage, for any number up to 10 and over that number at 2 cents a copy, including postage.

HE CAME, HE SAW, HE WAS CONQUERED.

SENATOR GEORGE M. MOSES of New Hampshire, chairman of the Postal Committee of Congress, after a stay of a few days in Atlanta, in a speech at a luncheon tendered the committee, as reported in the Atlanta Journal, said:

"This trip of the Postal Committee has awakened us to the real possibilities, commercial and otherwise, of your great section of this land of ours. Speaking for all members of this committee, I want to say that none of us ever will lose an opportunity to visit your city. When I say I am strong for Atlanta, I want it understood that I mean it 104 per cent."

"Senator Moses stated further that one of the most inspiring things in his life had been the opportunity to study the Southern people on this trip and feel that 'unseen spirit of love and loyalty that permeates this imperial Southland.'"

"No one can appreciate you and your opportunities without knowing you as I have learned to know you in these few days' visit," he said.

"We will go back with fond memories of you and your section and with minds more acutely attuned to your desires and aspirations."

"Speaking of the committee's trip to Stone Mountain, Senator Moses said: 'As we stood there gazing on that great artistic conception, I could not help feeling humble in spirit as I thought of that monument standing there through countless ages to come as a constant reminder to future generations that the only really great things in life come from the heart. To me it is not merely a memorial to great characters, but a memorial to a love of home and country that has made it possible for the South to come back and today after a few short years be so important a part of our national structure.'"

THE SOUTH AND SIBERIA.

TWELVE thousand prospectors, say news cables, have swarmed into the newly discovered Aldan gold fields in Siberia. Far more fortunate are the thousands of "prospectors" in the United States who are "swarming" to the South in person or sending their dollars there for investment. The lands and waters of the South yield golden profits in abundance, under conditions delightful to the "prospectors." Nor are the "prospectors" in the South obliged to contribute from \$50 to \$200 each to a Communist regime, as in Siberia. The American South and Siberia are on opposite sides of the world in more ways than one.

A GREAT POWER FOR GOOD.

LT. WELLS of the Alabama Extension Service of the Alabama Polytechnic Institute, Auburn, in a letter to the MANUFACTURERS RECORD says:

"As a participant in the recent Southern Exposition at New York, I realize more than ever before the great work your publication is doing to further the development of the South. I consider the Southern Exposition the greatest advertising feature the South has ever had."

"Back to Granada!" the Cry of the Moors.

THE MOROCCO SITUATION MAY YET BECOME A WORLD MENACE.

By COURTENAY DE KALB.

[Most of our readers are doubtless familiar with the fact that Mr. De Kalb, the writer of the following article, is intimately acquainted from personal study on the ground with the whole situation in Morocco, where he spent a considerable time during the World War. He was asked by this Government to go to Spain with a view of watching German activities in that country and at the same time to study the possibilities of trade between the United States and Spain. A profound student for many years of Spanish-American people in Mexico, Central and South America, knowing the Spanish language better than the average American knows the English, Mr. De Kalb through personal acquaintanceship with leading men in Spain, and through his official position, was able to make a complete study on the ground of the resources of Spain and of Morocco. While investigating the whole situation for the United States Government he wrote quite often to the Manufacturers Record in regard to the efforts that he could then see were being made by German metallurgists to get control of enormous iron ores in Morocco, and in later letters uttered a warning as to the danger of the Morocco situation to world peace. Some months ago Mr. De Kalb delivered a lecture on the Moroccan situation before the Army and Navy Club of Washington which, according to the reports received by the Manufacturers Record from some of those who were in attendance, was an eye-opener to Army and Navy officers as to the situation in Morocco and its relation to world affairs.—Editor Manufacturers Record.]

A noted publicist, Ramiro de Maeztu, remarked, *apropos* of the agreement between France and Spain for concerted action in suppression of contraband traffic with Abd-el-Krim, that if France had acceded to the requests of Spain two years ago for co-operation in this matter there would be no Moroccan question at the present time. Dispatches from Paris during the past month have revealed a general tone of amazement at the magnitude of the revolt and at the gravity of the situation in Morocco. This may serve to excuse France from blame for not taking proper precautions. Nevertheless, it is the business of a great nation's Foreign Office to be informed, and, with adequate information, it should be possible to convince the legislative body of its plain duty in a matter deeply affecting the national existence. Whatever be the cause, France came late to a recognition of her duty.

Gen. Gómez Jordana, at the conference between Spanish and French representatives at Madrid the other day, gently hinted that one French warship aiding the Spaniards a year or more ago would have suppressed smuggling, to the fatal embarrassment of Abd-el-Krim. He did not say where that vessel should cruise, but to anyone knowing the coast of Morocco it is not difficult to see that traffic out of Orán needed to be carefully scrutinized. This is not to say that the French were officially cognizant of illegal traffic. In justice to all parties it must be said that the famous center of contraband traffic along the coast of Málaga, with the wild mountain fastnesses of the Serranía de Ronda as a shelter, reaching back to Ronda and to towns along the valley of the Guadalquivir, has been another source of outlawed commerce, not altogether easy to control. It has been suggested that the large German colony in Spain has taken advantage of the established contraband business along that coast to aid the Moorish uprising. While inspecting the cleanliness of national hands, it may be as well to point out that comment is general in France and Spain that British contraband business has been particularly active for the past two years in the direction of the Rifian coast. A little vigilance by British authorities might have removed these suspicions, but it is indicated that Great Britain remains deaf to proposals to co-operate in a way that would keep supplies away from Abd-el-Krim. There has also been comment on the failure of Italy to inquire curiously into the destination of peculiar cargoes dispatched from Italian harbors. A little Italian assistance might be distinctly useful.

Rumors are plentiful that there has been neglect on the part of the United States to prevent machinations unfriendly to Spain in regard to supplies of a sort that should require careful explanation and satisfactory guarantees on the part of shippers before allowing clearance from port. One large shipment of hand grenades for Africa is said to have been especially questionable, being ordered by a private corporation engaged in mining. These grenades, it is said, arrived

safely to the hands of Abd-el-Krim. Down on Washington street in New York there is said to be an Arab nest of conspirators who are in good standing with Abd-el-Krim. A great firm of Philadelphia shippers is said to know the camouflaged route to Abd-el-Krim, and a famous New York banker has been mentioned as having special interests in Morocco that are at least peculiar under the circumstances.

It would seem that our people should understand that the rebellion of Abd-el-Krim is not the mere trifle that it has been pictured until within the last few weeks. When France has to send a full hundred thousand men to the Moroccan front, it is clear that there is something more in this matter than a mere case of megalomania on the part of a little local Moorish chieftain. The entire possessions of the tribe of the Beni Urriaguel, of which Abd-el-Krim is the head, could not well be hypothecated for a million dollars. The iron mines may, with development, become worth hundreds of millions, but when it comes to floating a loan it must be based on the visible income with which to meet the obligations of interest and amortization. On that basis the value of the iron mines is wholly speculative. Anyone with a knowledge of simple arithmetic can figure that Abd-el-Krim must have used war material worth many millions of dollars in a struggle with the army of Spain stretching over four years. That means that powerful interests are financing him. It also means that more than one or two prospective private beneficiaries, taking the tremendous risk of Moorish success against a possible combination of the chief Powers in the world, have been involved in financing Abd-el-Krim. Necessarily there has been active governmental aid somewhere. No private fortune in existence could prudently take so great a risk.

It should be noted that the American critics, with few exceptions, have persisted in misrepresenting Spain in her struggle during the last few years. The American press has taken its cue from interested parties abroad, and Spain has been represented as having been conquered, when in fact she was bravely sustaining a fight against the Moslem who was abundantly aided by the Christian Powers of Europe. Despite this, she succeeded in withdrawing her army from non-strategic positions into which they had been advanced during the rebellion of the Raisuni just before the outbreak of Abd-el-Krim. Twice Spain has put down the Raisuni (generally, but wrongly, called Raisuli) and twice she undertook to utilize him for administrative purposes, with such disastrous results that in the end she left him to his fate, which proved to be that of submission to the newly risen Moroccan star. With all Europe taking the chances of running the blockade, it is marvelous that Spain did in the end so reduce the deliveries of contraband to Abd-el-Krim as to force him to turn toward the south. An intelligent understanding of the situation would have led France to render aid in the blockade of the Rif coast and to strengthen her own frontiers

along the Atlas, as well as to do all she could to suppress illicit traffic across the continental boundaries of Morocco.

It is now known that goods are being brought by caravan all the way from Egypt, from Tripoli, and even northward across the Sahara from the western coast of Africa. Proper vigilance in the beginning would have stopped this war, which now is shown to have roots reaching almost throughout the world. Money is coming to Abd-el-Krim from India and from all the Mohammedan countries in Asia. There are European critics who undertake to connect the general unrest in the Orient with the new spirit of the Mohammedans in Africa since the successes of Mustaphá Kemal Pashá in Turkey. The attitude of the Occident has been that of exploitation of the Eastern peoples. Against this there is exerted a constant effort toward political and economic independence.

If there were a united Christendom it would not be so serious, but it is clear that Christendom is not working in harmony. Christian nations are gravely suspected of furnishing arms and ammunitions to a Moslem people fighting against other Christian nations. Nobody suspected that Mustaphá Kemal would become a first-class military leader and overcome well-equipped European armies. No one would have suspected that a well-organized Government could rise so soon upon the ruins of Turkish corruption. Yet both of these things happened immediately after Turkey had passed through an exhausting war.

It is worth knowing that Abd-el-Krim is a Berber, and that the Islamic tradition of a coming conqueror, a Mahdi, declares that he is to be of the Berber race. Moreover, he is to come from the great family known as the Chtukka, and Abd-el-Krim has the blood of that family coursing through his veins. When the real Mahdi has appeared his coming is to be signalized by the sound of the drum at Ait-Mast in the Atlas Mountains. This, and much more relative to the Moorish traditions and customs, has been accentuated by Louis Bello in a little brochure, "El Comunismo: El Mahdi." The data may be found also in a book by Henri Basset, "Essay upon the Literature of the Berbers," printed at Algiers in 1920. Abd-el-Krim seems not to have made pretensions to Mahdism, for many false Mahdis have come and then have speedily gone down to defeat, as did the Mahdi against whom Kitchener fought in the Sudan; but in the face of successes Abd-el-Krim's followers may sound the drum at Ait-Mast and awaken a dangerous response from all Islam.

It must be remembered that M. Painlevé, on returning to Paris after his aeroplane flight to Fez, did not scruple to say in the Chamber of Deputies that France was not merely fighting for a protectorate in Morocco, but that, if she failed there, she would have to fight for Algiers and the whole African empire, and might even have to wage a defensive war to protect France herself from invasion. In July, 1921, when the temporarily victorious Moors under Abd-el-Krim swept almost to the gates of Melilla, they bore banners with the inscription: "Back to Granada!"

Moroccan Situation Analyzed.

[From Saturday Night of Los Angeles, Cal.]

Because of his knowledge of conditions in Morocco, gained at first hand, when making an exhaustive study of the mineral resources of northern Africa, Courtenay De Kalb of Los Angeles and Tucson, a mining engineer of world experience, is an authoritative source of information concerning the revolt of the Rif tribesmen against Spain and France. An article from his pen in a recent issue of the MANUFACTURERS RECORD, entitled "International Intrigue for Moroccan Iron," throws much light on the troubled region which is causing France, particularly, so much anxiety, and should be widely read. Mr. De Kalb briefly reviews the history of Morocco down to the treaty of Wad Ras, in 1880, when a large territory in

what now is the Rif coast was ceded to Spain by the weakened Moors. Spain's purpose was not one of colonization but simply to hold the northern African coast against any possibility of another invasion by its ancient enemy. France entered into the Moroccan situation in 1904, when she was offered a free hand in Morocco by England in exchange for a like concession from France in Egypt. Spain was recognized to the extent of declaring that nothing in the convention should impair any Spanish rights in northern Morocco. In 1905 the former Emperor of Germany suddenly arrived at Tangier, announcing his determination to protect German interests in that territory, an intervention which caused the Sultan of Morocco to reject the French proposals looking to colonization under agreement with England. Followed a call for an international conference, from which evolved the famous treaty of Algeciras of 1906, to which all the leading Powers, including the United States and Germany, became signatories. As a result Spain was given a mandate for policing the northern strip, known as the Rif, bordering the Mediterranean and fronting the Atlantic for a short distance.

In order to understand the latest unfolding in the Moroccan complexity—the uprising of hitherto friendly tribes, whose belligerent attitude gravely menaces the Sultan's capital, Fez—it should be explained that the "internationalizing" of Tangier and adjacent country under the terms of the treaty of Algeciras so embarrassed Spain in her efforts to control the rebellious Rif that her mandate has proved a costly and dangerous responsibility. Until lately the French protectorate has been comparatively easy to administer, as contrasted with Spain's task, which was to suppress almost continuous border warfare, likened by Mr. De Kalb to the struggle between the United States and the Indians on our Western frontiers for so many years. These tribal raids, however, could not be designated as real wars, until 1921, when came the uprising of Abd-el-Krim, head of the numerous tribes of the Beni Urriaguel, with 7000 warriors, allied with many other tribes, estimated to give a total field force of 35,000 men. Spain's border army, of not to exceed 4100 soldiers, scattered along a line of defense thirty-five miles in extent, was surprised, the feeble garrisons annihilated, including the heroic General Manuel F. Silvestre, who, like Marshal Lyaudey, at this time, in his request for reinforcements from Paris, had vainly appealed to Madrid for additional manpower. Outnumbering Spain nearly three to one, Abd-el-Krim met with early successes, until his opponents reorganized their fighting strength and began pushing the tribesmen westward.

In these encounters Spain was shocked to find that the Moors were equipped, principally, with French arms, a discovery which nearly caused a break between Spain and France, until the latter was able to prove beyond cavil that the equipment complained of had been captured by the Germans and retained by them after the war and subsequently smuggled to the former German agent, Abd-el-Krim. This evidence, when massed, restored the entente cordiale between the two harassed Powers. In the effort to maintain the mandate many Spanish Ministries fell, until General Primo de Rivera proclaimed a military directorate, which saved Spain by stopping the radical propaganda, and new recruits were sent to the Moroccan front. Rivera, in the face of bitter criticism, had the courage to evacuate useless and dangerous positions, concentrating on the north coast in order to stop the smuggling of arms and supplies from other Powers to Abd-el-Krim, which were constantly run out of Tangier in defiance of the treaty. After the evacuation of Xauen by the Spanish, Abd-el-Krim demanded that Spain recognize the sovereignty of what he calls the "Republic of the Rif," but as Spain holds a mandate only, and is nominally the representative of the Sultan, Muley Yusef, at Fez, she could not have granted such terms even if she were in defeat. It was, however, a grand political gesture by the Rif leader for

home contemplation. His supplies from the north cut off by Spain, Abd-el-Krim found his prestige waning, and in November, 1924, he turned to the south to seek a way out of his difficulties, which meant a descent upon the French protectorate. At this juncture Marshal Lyautey found himself in much the same fix as did Spain, with his line of defenses menaced and the Socialists at home so badgering the Government that it hesitated to send the additional troops needed to strengthen the forces of the commander of French Morocco.

This, then, is the situation in Morocco to date, with the Sultan's capital at Fez the objective of the revolted Moors, hitherto friendly to France, and the Riffi leader rapidly augmenting his forces until Marshal Lyautey is in danger of suffering the like fate that befell General Silvestre, due to the indecision of Quai d'Orsay. In addition to the valuable iron deposits in the lands of the Beni Urriaguel, coveted by France, England and Germany, there is, as Mr. De Kalb reminds us in his admirable article, a diplomatic situation, the outgrowth of industrial ambition, that needs to be borne in mind in order to get a clear light on all Moroccan dispatches. England does not want any first-class Power to hold the port of Ceuta, opposite Gibraltar, as control of the Strait is still as important a piece of strategy as it was in the days when the Phoenicians occupied it against the Greeks. Spain is England's buffer through the mandate which has proved so heavy a responsibility to the former nation. If Abd-el-Krim were granted his demands, automatically he would control the iron properties originally located by the Germans, who fairly hunger for them. As Germany's former agent he would likely incline in that direction. It is reported that numerous German officers are in his army. Clearly, England does not want that to happen, and it is similarly obvious that France would resent industrial entrenchment of Germany at any point in north Africa. It was the prospect of gaining control of the Rif coast iron deposits which inspired Germany, in 1911, to send the gunboat Panther to Agadir, thereby nearly precipitating a general European conflict, as Mr. De Kalb notes. With the United States a party to the treaty of Algeiras, although well hedged with exceptions, the diplomatic situation is a delicate one. If Spain and France could come to a cordial understanding, they might solve the problem without outside interference, and this is the profound hope of both Downing Street and Washington. France must either support Marshal Lyautey, at the risk of political disaffection at home, or, neglecting him, face the prospect of seeing Abd-el-Krim victorious and Germany come off triumphant commercially. It is a dilemma of international proportions.

Insurance Company Plans \$1,000,000 Building.

Washington, D. C.—Plans for the erection of an office building and several apartment buildings on property recently acquired are being worked out by the Acacia Mutual Life Association, of which William Montgomery is president. It is said to be the plan of the association to erect a six-story temporary office building at a cost of \$1,000,000, which may be converted into an apartment building when a permanent office building shall have been erected. The proposed apartment buildings are intended to house employees of the company, who number 300. An architect has not been selected.

To Award Contract for \$250,000 Hospital.

Ponca City, Okla.—General contract will be awarded August 10 by W. H. McFadden for the erection of a hospital building here to cost about \$250,000. The structure will be three stories high, of reinforced concrete and brick, with tile and composition roof, and will contain 100 rooms. Richard E. Schmidt and Garden & Martin of Chicago are the architects.

\$17,500,000 COMPANY TO BUILD RAYON PLANT AT JOHNSON CITY.

To Expend \$2,000,000 in First Year and \$10,000,000 in Five Years.

Johnson City, Tenn., August 3—[Special.]—Definite announcement was made here this morning that the American-Bemberg Co., a \$17,500,000 Delaware corporation, had selected Johnson City as the location for their huge textile operation, work to start immediately.

For more than a year representatives of this company have been inspecting sites throughout the South, a number of cities having been under consideration. Approximately 1200 acres will be required, the Johnson City location having been selected on account of superior transportation facilities, the presence of several necessary raw materials, ample labor, pure water and other items. The site of the new plant will be in the Watauga Valley at Sycamore Shoals, on the East Tennessee & Western North Carolina Railway, the paved street connecting Johnson City and Elizabethton being but a few miles out of the city in a suburban section.

New York capitalists interested in the company include Herbert Lehman, Jacob Straus, Dr. Arthur Mothwurf, Jacques Hartogs and Myron Falk.

Rayon, artificial silk, will be manufactured, the company being closely affiliated with the I. P. Bemberg Co. of Bremen, Germany, and the Vereinigte-Glanzstoff-Fabriken interests of Elberfeld, Germany, who operate a plant in that country employing 24,000 persons producing the same material. It is understood that the same organization is also building plants in France and Italy, each to employ 15,000 operatives.

According to plans, as announced, close to \$2,000,000 will be expended within one year and 1500 persons employed. A building program has already been adopted which calls for continuous expansion until maximum size and production have been reached within five years, involving approximately \$10,000,000 and furnishing employment to more than 10,000.

This is said to be the largest single industry which has ever located in the South and is one of the first of the great German industrial organizations to turn to this country. Several internationally known bankers and industrial capitalists are numbered among the officials, heads of the American-Bemberg Co. being: Wilhelm Langenbruch and Carl Benrath of the I. P. Bemberg Co., Ltd., Bremen; Fritz Bluethgen and Willy Springorum of the Vereinigte-Glanzstoff-Fabriken Co., Elberfeld; Rudolph Rosenheim and Kurt Meyer of the international banking house of C. Schleisinger Trier & Co. of Berlin, and Alfred Schoenlicht of the Gebroeders-Teixeira de Mattos organization of Amsterdam, Holland.

The selection of Johnson City has been a gradual development since the first visit of representatives more than a year ago, culminating in a series of conferences in New York for the past two weeks. Final contracts have been signed and ratified, and President J. W. Ring of the local Chamber of Commerce, who represented Johnson City in all conferences, states that work will be started immediately.

Both Johnson City and Elizabethton will be greatly benefited by the advent of this great industry, and it is generally felt that this will afford an opportunity to demonstrate the vast industrial possibilities of upper east Tennessee, as the new operation is the object of intense interest throughout industrial circles in North America.

Big Rayon Plant of Du Pont Interests in Tennessee to Be in Operation Soon.

SECOND UNIT NOW UNDER CONSTRUCTION—TO BRING PRODUCTION CAPACITY UP TO 800,000 POUNDS MONTHLY—3000 EMPLOYES REQUIRED.

[Special Correspondence Manufacturers Record.]

Nashville, Tenn., August 1.

Among the many contributions to the substantial industries of the South, especially during the past few years, is a comparatively recent development in Tennessee by the duPont Rayon Company, controlled by E. I. duPont de Nemours & Co., which has many manufacturing plants and other interests at various points all over the country.

This particular development is on an 800-acre portion of the so-called Old Hickory smokeless powder plant, the largest

homes of various types of architecture, a dormitory for 400 girls, with trained matrons and welfare officers, cafeteria accommodations for all living in the dormitories and others desiring such service, a women's recreation building, a similar community center for both men and women, an outdoor swimming pool, tennis courts, an efficient police force under the management of trained officers, efficient street lighting, a regular paid fire department with standard motor-driven fire fighting equipment, a standard city fire alarm system with



Photo by 165th Photo Section Air Service Tennessee National Guard.

VIEW OF PART OF COMPANY VILLAGE, WITH CUMBERLAND RIVER IN BACKGROUND.

in the world, built in 1917 and 1918 at Hadley's Bend on the Cumberland River, 17 miles northwest of Nashville. It is for the manufacture of rayon, previously better known as artificial silk.

A noteworthy feature of the development is the completeness of facilities being provided for the comfort and pleasure of the several thousand employees who will be engaged in the industry. Of the 800 acres, about 125 acres are reserved for a golf links, 100 acres are to be used for manufacturing purposes and the remainder for the employees' village.

This duPont Rayon Company village includes almost 1000

well distributed fire hydrants, sprinkler systems in some of the principal buildings, modern and ample sewer pipe lines and sewage-disposal plant, concrete sidewalks and macadamized village streets. Additional housing facilities will be provided as needed.

The United States Postoffice Department operates a post-office known as Old Hickory, Tenn. Telephone and telegraph offices are operated by the Cumberland Telephone Company and the Western Union Telegraph Company, respectively. The Tennessee Central Railroad furnishes regular freight and express service. Other private interests operate

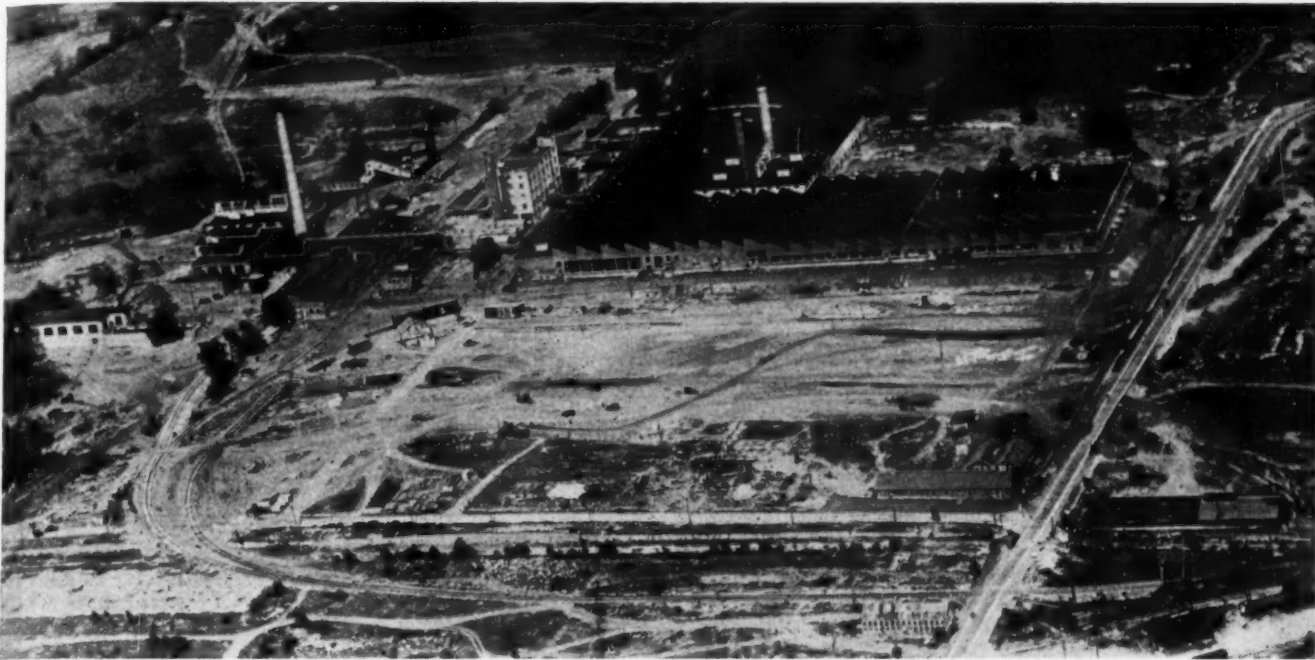


Photo by 165th Photo Section Air Service Tennessee National Guard.

SHOWING NEARLY COMPLETED UNIT IN RIGHT CENTER—THE CLEARED SECTION IN FOREGROUND IS FOR THE SECOND UNIT NOW UNDER CONSTRUCTION.

the usual community facilities, such as drug stores, dry goods stores, banks, etc.

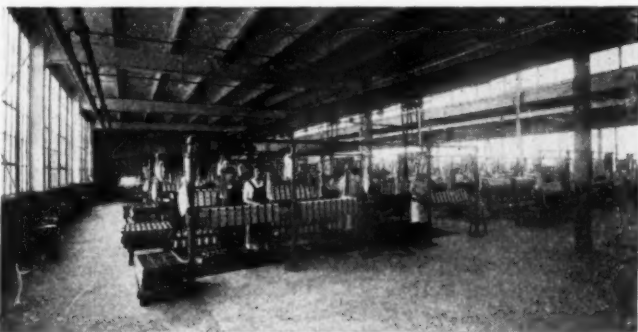
The manufacturing plant will consist of two equal units, each having 12,000 pounds daily of production capacity. The first unit will be in full operation within a few weeks. The second unit is now under construction.

The textile buildings of these two main units are of concrete, brick and structural steel, roofed over with heavy planking covered with composition roofing. These buildings

generators at 2200 volts, four air compressors of 732 cubic feet per minute capacity each, and five brine and cold-water refrigeration machines of 190 tons capacity each. Raw water pumped from the Cumberland River is filtered through sedimentation basins, then through 16 gravity type sand filters of 525 gallons per minute capacity each, and is then pumped either to the factory by centrifugal service pumps or to the fire mains by a steam-driven fire pump of 2000 gallons per minute capacity.

The architect and builder is the Engineering Department of E. I. duPont de Nemours & Co. The special equipment required is being built in the Wilmington shops of the duPont Company.

The manufacture of rayon is comparatively simple so far as the number of processes is concerned. Major raw materials, such as wood pulp and caustic soda from the East and



THE INSPECTION ROOM.

are protected by a sprinkler system and divided by fire walls at proper intervals. Thorough ventilation is provided by mechanical means for accurate temperature and humidity control. Equipment is to be of the latest design for the spinning of rayon by the so-called viscose process.

The chemical operations for each unit are to be carried on in separate 5-storied, reinforced concrete buildings containing the usual equipment for the manufacture of viscose solution by the regular recognized process.

Besides the two manufacturing groups of buildings, there is to be a separate office building of brick construction and a cafeteria building, which will also contain rest rooms and a first-aid department with doctor and nurses.

A single power plant provides steam and electric power and heat for all manufacturing requirements. Its equipment will include nine 525-horsepower boilers equipped with chain stokers, two 3000 and three 1500 K. V. A. steam-driven turbo



MANUFACTURING RAYON—THE REELING ROOM.

North and sulphuric acid and other supplies from sources not far from Nashville, are converted into viscose solution in chemical buildings and then into finished rayon by successively passing through the textile operations known as spin-

ning, reeling, washing and bleaching, drying, inspection and packing for shipment.

The working conditions are very favorable, the operating rooms are clean and well lighted, and special attention is given to all measures which will promote the comfort and safety of the employees, who are about equally divided between the sexes.

When both units are completed, productive capacity will be about 800,000 pounds of completed rayon per month.

It has been stated that one of the two manufacturing units is nearly completed. When both units are complete and in full operation, employment can be provided for over 3000 men and women.

A part of the present employees are drawn from the Nashville population, another portion from other nearby regions and still another from more distant sections of Tennessee. A special effort is being made to obtain high-class employees, and a fair proportion of the women are high-school graduates, many of them from schools in other parts of the state. The company management solicits investigation by Tennessee educators and other agents who may be interested in placing both men and women in well-paid employment under favorable conditions.

Cotton Tests at Clemson College.

Clemson College, August 3—[Special.]—A very interesting and important piece of work now being carried on by Clemson College in co-operation with the United States Department of Agriculture is a cotton-testing project, under the general direction of Arthur W. Palmer, Washington, D. C., and under the local supervision of H. H. Willis, assisted by a number of technical experts in cotton manufacturing, including H. B. Richardson, C. E. Folk and E. S. Cummings, besides temporary workers employed from time to time.

Recently Mr. Willis and his force have been engaged in testing out six leading varieties of Texas cotton, namely: Acala, Cash, Lone Star, Mebane, Rowden and one lot of mongrel, or mixed, cotton, as well as special strains of Acala grown on the United States cotton field station at Shafter, Cal. The results of these tests, to be published by the United States Department of Agriculture, should prove of great interest, not only to textile manufacturers but also to cotton growers.

Mr. Willis and his coworkers also are running tests on nine white grades of the universal standards of cotton, selected both east and west of the Mississippi, the principal purpose being to determine the waste content of the different grades and their bleaching and finishing qualities to show relative economic value. These cottons are being run through all the commercial treatments, some of the work being done in the textile department at Clemson College and some in the manufacturing and bleaching plants in nearby cities.

A special phase of the work now being conducted is the testing of "staple" cottons from the Carolinas out of the 1925 crop to determine the spinning qualities as compared with cottons from the Mississippi and western sections of the cotton belt. It is planned also to test some of the best commercial varieties of the shorter staple. The ultimate purpose of this phase of the work is to determine the value of these eastern-grown varieties and thus assist the Federal Department of Agriculture and the state experiment stations in their work of developing and advocating improved varieties.

Two publications resulting from this cotton-testing project in recent years are the United States Department Bulletin 1135, "Spinning Tests of Cotton Compressed to Different Densities," and Bulletin 1148, "Comparative Spinning Tests of Superior Varieties of Cotton Grown Under Weevil Conditions in the Southeastern States." These may be obtained from the Department of Agriculture, Washington, D. C., but are not available for distribution at Clemson College.

Increase in Agricultural Exports—Cotton Made Gain of 43 Per Cent.

Exports of agricultural products in the year ending June 30, 1925, exceeded in volume the exports of either of the two previous years, but were smaller than in any other year since the close of the World War, reports the Agricultural Department.

The increase over the previous two years was chiefly due to the increased exports of cotton, which exceeded those of any year since 1914-15. Exports of grains and grain products were also larger in the year just closed than in 1923-24, but smaller than in any other year since 1919-20. The animal products group index number was lower in the year ending June 30, 1925, than in any year since 1914-15, and the dairy products index number lower than in any year since 1915-16.

EXPORTS FROM THE UNITED STATES OF COTTON, INCLUDING LINTERS (UNMANUFACTURED), BY COUNTRIES, 1923-24 AND 1924-25.

Country to which exported	Year ending June 30	
	1924 500-lb. bales	1925 500-lb. bales
United Kingdom	1,694,895	2,623,425
Germany	1,345,554	1,891,992
France	751,424	951,473
Italy	563,733	756,156
Spain	216,253	289,586
Belgium	168,968	223,741
Russia in Europe	120,318	286,367
Netherlands	112,456	151,285
Sweden	72,323	61,258
Other Europe	83,920	96,743
Total Europe	5,129,844	7,332,026
Japan	583,957	849,584
Canada	151,731	206,853
Other countries	33,181	50,608
Total exports	5,898,713	8,439,071
*Total imports	305,489	324,461
†Total re-exports	21,409	8,850
Net exports	5,614,633	8,123,460

Compiled from official reports of the Bureau of Foreign and Domestic Commerce.

*Bales of 478 pounds net, †11 months.

EXPORTS OF GRAIN AND GRAIN PRODUCTS, COTTONSEED PRODUCTS AND TOBACCO, 1923-1924 AND 1924-1925.

	Quantity		Value	
	1924	1925	1924	1925
Grain, Flour and Meal:				
Wheat, bu.	78,793,034	195,490,207	\$87,712,501	\$306,005,563
Wheat flour, bbls.	17,252,620	13,896,154	88,201,842	97,760,001
Wheat, including flour, bushels	156,429,824	258,022,900	175,914,343	404,371,564
Corn, including corn-meal, bushels	23,135,200	9,791,136	21,776,484	12,600,372
Rye, including flour, bu.	19,901,719	50,242,278	15,861,310	63,156,628
Barley, excluding flour, bushels	11,208,733	23,633,118	8,897,460	25,945,381
Oats, including oat-meal, bushels	8,795,771	16,777,107	5,527,818	10,838,440
Buckwheat, including flour, bushels	92,587	190,901	98,717	225,883
Rice, including flour, meal and broken rice, pounds	227,756,936	112,037,074	9,276,199	5,436,857
Cottonseed cake, lbs.	200,927,154	593,663,417	4,261,315	12,552,746
Cottonseed meal, lbs.	49,439,121	291,711,396	1,032,627	6,208,352
Cottonseed oil, crude, lbs.	23,533,427	24,062,177	2,214,972	2,243,432
Cottonseed oil, refined, pounds	15,884,115	29,198,439	1,866,237	3,508,066
Tobacco, Leaf:				
Bright flue-cured, lbs.	265,966,166	207,456,544	106,878,715	86,113,124
Burley, lbs.	6,946,195	5,801,773	1,579,688	2,179,677
Dark-fired Kentucky and Tennessee, lbs.	169,315,060	126,529,719	28,326,707	21,369,343
Dark Virginia, lbs.	30,596,256	24,939,275	11,373,077	8,251,860
Maryland and Ohio export, lbs.	17,607,943	11,848,219	3,504,649	2,368,063
Green River (Pryor), lbs.	15,864,747	15,532,985	3,118,067	3,428,897
Cigar leaf, lbs.	1,388,593	539,779	392,206	435,952
Other leaf tobacco, lbs.	49,603,257	27,574,396	11,277,743	6,989,928
Total leaf tobacco, lbs.	557,288,217	420,222,690	\$166,450,852	\$131,136,844

The total value of agricultural exports for the year ending June 30, 1925, was \$2,141,466,583, compared with \$1,742,154,900 worth of farm products exported the previous fiscal year, an increase of \$399,311,674, or 22.9 per cent.

Jefferson Parish School Board, J. C. Ellis, superintendent, will open bids on September 5 at Gretna, La., for the purchase of a bond issue of \$600,000 to erect and improve school buildings in the parish.

The Demand for More Labor.

By ROBERT DE C. WARD, Harvard University.

The National Association of Manufacturers is advocating a revision of the present Immigration law, to the end that the number of immigrants shall be regulated each year by the "current economic requirements of the country." The idea is to have a "flexible labor supply." When there is "need of labor," aliens are to be selected overseas to supply this need, and are to be admitted in excess of the quotas. A widespread campaign has been organized to bring about this change in the law, and certain newspapers that cater to "big business" have given it support.

There are certain perfectly obvious practical objections to the proposed plan. Suppose 100,000 or 50,000 or 10,000 "selected" aliens are brought here because of the need of labor in certain industries, what reason is there to expect that these people will all go where they are wanted; or, having gone there, will stick to the job they are supposed to do unless we compel them to do so? Again, while there might be temporarily an apparent need for laborers in certain industries, what would happen during a time of unemployment? Would all these imported laborers go back whence they came, or would most or all of them remain here, upsetting the permanent balance of our economic and social life and becoming a charge upon the community?

Henry H. Curran, Commissioner of Immigration at Ellis Island, New York, recently discussed selective immigration in a syndicate editorial. He said:

"The self-styled immigration 'expert' and the cloistered student * * * join hands ever and anon in asserting with the most sublime confidence that what we most need in America is 'selective' immigration. * * * The trouble is that we are already trying 'selective' immigration in a small way, and already we know that it does not work. At Ellis Island we never did think it would work. And we said so.

"But a year ago Congress, nevertheless, ordained that we give preference, among intending immigrants, to 'skilled agriculturalists.' It is our consuls abroad who are to pick the 'skilled agriculturalists.' It is we here at Ellis Island who are to let them in. The first fruit of the scheme is a flock of clerks, hatters and haberdashers who have persuaded the consuls that they are farmers, and have thus received preference over other immigrants. The second result is a crop of preferred 'farmers' who have taken to driving trolley cars in Chicago and taxis in Boston within a week after they went ashore from Ellis Island. In neither case have we received any alien addition to our muster of farmers in America.

"The thing has failed. How could it be otherwise? How can we keep a farmer farming or a cobbler cobbling? Who is going to stand guard over them and compel them to do in 1926 that which they did in 1925—if they do it even then? And who is going to say whether we most need milliners? The Secretary of Labor? Or Congress? Who will tell them? The boss milliners? They will say, 'Yes!' for then milliners' wages will go down. Or the milliners' union? They will say, 'No!' for then wages will go up. Selective immigration is a pretty theory. But it never did work and it never will."

Further, it is not clear that any induced immigration of labor would in the long run be of any real economic advantage to the very industries which are calling for more "hands." The latest statistics show that the population of the United States increased during the past year at a rate above the average one in spite of the marked decrease of immigration in recent years. This healthy growth of our population, without any considerable additions by immigration, is doubtless due, as is clearly stated in an editorial in the MANUFACTURERS RECORD for July 9, "to the more general prosperity of the American people and to the higher wages which the laboring people have been receiving." The decrease in alien immigration has, without doubt, played a part in maintaining wages at a high level, and thus in promoting national prosperity, and this again has induced a higher birth rate. Now, it is perfectly clear that a native-born

population of American, or at least partly Americanized, parents will have higher standards of living than would the children of recent immigrants from some of the countries which used to send us the bulk of our immigration before the restriction law went into effect. With generally higher standards of living, the per capita consumption of commodities must inevitably increase. In other words, as a recent writer has well put it, "Manufacturers and employers of labor should carefully consider such facts before committing themselves to a program for urging the influx of foreign laborers in time of labor shortage; they are making a choice between cheap labor for the present and a wider market for their products in the future."

The stock argument against immigration restriction has always been the "need of labor." Most of the evils which resulted from the enormous immigration of the past 25 years were due to this reckless greed for cheap labor on the part of our large industrial, transportation and mining "interests." These "interests" have set pocketbook above patriotism and profits above posterity. They have been regardless of every consideration other than that of speeding up their factories, their railroad construction and their mine output. Certain members of this same group, aided by foreign steamship companies, are behind the present agitation to break down the new immigration law by establishing the so-called "flexible labor supply." They are sugar-coating their proposal with smooth statements that the present law is a great improvement over our former policy, and then they proceed to persist in trying to break the law down.

To those who realize that foreign labor is often so "cheap" that it is dear at any price; that it is always, in the long run, socially and politically very expensive; that a tremendously rapid development of our country is by no means altogether desirable, and that every immigrant is to play a part in the formation of the future American race, this matter of cheap labor presents a wholly different aspect. In the minds of millions of our citizens the question arises whether any American industry which cannot prosper without a constant supply of cheap alien labor is worth preserving in a country which boasts of the high standards of living of its wage-earners and the high character of its citizenship. The patriotic course for our large employers to pursue is to stop complaining about the "need of labor," to set themselves to work to reduce the labor turnover, to introduce labor-saving machinery, to improve working conditions, to face the facts of the situation. An intelligent American, with an American-made machine, can do the work of a dozen ignorant foreigners. This is good sense. It is good business. It is a sound American policy. And it will greatly decrease the stress of unemployment when business conditions are bad. Edward A. Filene of Boston, a large manufacturer and employer, has put the economic situation clearly as follows:

"Employers do not need an increased labor supply, since increased use of labor-saving machinery and elimination of waste in production and distribution will for many years reduce costs more rapidly than wages increase and so prevent undue domination by labor."

Immigration is usually considered on the economic side; yet its racial aspect is infinitely more important. As Dr. Lothrop Stoddard has well stated the case, "The admission of aliens should be regarded just as solemnly as the begetting of our own children, for the racial effects are the same." Major General Leonard Wood summed up the situation in the words: "The American cement has about all the sand it will stand."

The Immigration Act of 1924 is sound American policy. It expressed the conviction of the American people that "im-

migration is a long-time investment in family stocks, rather than a short-time investment in productive labor." Commissioner Curran has said that "as an affirmative performance the Immigration Act of 1924 has already done great good to the country and it gives promise of doing more." Bradley Buell, secretary of the New York City Council on Immigrant Education (July 17, 1924), has pointed out the benefits of the new law in relation to the education and assimilation of aliens as follows: "By limiting the number of immigrants who will come in, the new Immigration law gives organized education and social work its first real opportunity to help the foreigners already here to take a more intelligent part in the life of the city. * * * To accomplish constructively the delayed task of assimilation is the opportunity now afforded."

The well-organized and heavily financed campaign to break down this law should be met with determined opposition. More labor means cheaper labor, and cheaper labor, of whatever race or color, imported and forced to do jobs at the behest of "big business," is a proposal repugnant to the vast majority of Americans.

Nullifying the Tariff.

[From the Mining Congress Journal.]

There are a number of mineral industries whose existence is dependent on tariff protection, not because of the scarcity of supply or paucity of quality but because, reduced to an economic basis, a living wage plus rail transportation in America is greater than a pauper wage plus ocean freight rates from abroad.

If, then, a joint ocean and rail freight rate is granted to inland points on imported minerals, any equalization afforded by the tariff is nullified, and the domestic producer is as effectually handicapped as though no tariff had been placed.

The application now pending before the Interstate Commerce Commission for a reduction in ocean-rail rates on imported English clay is an immediate illustration. The states of Florida, Georgia and South Carolina furnish approximately 18 per cent of the clay production of the United States.

This industry has achieved its present standing and future promise through tariff protection, combined with intensive effort and commendable progress in methods of preparation, and now finds a growing market for its product in the potteries and paper mills of the Northern and Central states.

A ceramic school has recently been opened in connection with Georgia Tech for the purpose of training ceramists and still further developing the clay resources of the South. To grant a joint rail and water rate which would create a differential equivalent to the domestic margin of profit, as the proposed rate does, would seriously damage, if not completely destroy, this thriving industry in three states, would deprive a considerable number of people of their livelihood and materially decrease the revenue of the railroads of the South from clay haulage.

Contract for \$350,000 Office Building.

St. Petersburg, Fla.—General contract has been awarded to Franklin J. Mason of this city by the West Coast Holding Co., H. W. Gilbert, president, for the erection of its proposed 10-story office building to cost about \$350,000. The structure will be of granite, limestone and brick, with terra cotta trim, tile floors and marble wainscoting. Francis J. Kennard & Son of Tampa and Henry H. Dupont of St. Petersburg are associated architects.

Advertising Campaign for Sanford.

Sanford, Fla.—A campaign for advertising Greater Sanford is being projected by the Chamber of Commerce, and F. P. Forester, Mayor, Forrest Lake, and W. H. Tunncliffe have been selected to direct the movement. It is planned to raise an advertising and development fund for the Chamber of Commerce and to formulate a 10-year community building program for Sanford and Seminole county.

\$75,000,000 HOME-BUILDING PROGRAM.

Contract Already Let for 1000 Dwellings at Coral Gables.

Coral Gables, Fla.—According to an announcement by George E. Merrick, president of Coral Gables, Inc., a \$75,000,000 home-building program at Coral Gables will be undertaken at once. Contract has been awarded to the American Building Corporation of Cincinnati, Ohio, for the erection of 1000 dwellings, and it is stated that construction of the first 100 will be started by September 1.

More Protests Against Reduction of Railroad Rates on Imported Clays.

The American Mining Congress reports that Representative W. W. Larsen of the Twelfth Georgia district has joined Senator Fletcher of Florida in protest to the Interstate Commerce Commission against the proposed reduction in rates on imported English china clay from Eastern seaports to interior points, at which American potteries are located, because of its injury to Georgia clay producers.

According to this report, it is also expected that other Southern Congressmen, including Representative Hare of South Carolina, will make similar protests.

The English Shipbuilding Situation.

In an address made at the launching of the ship Glenledi from the Wallsend shipyards at Jarrow, England, Sir George Hunter said that great sacrifices are being made by both the shipbuilding employers and the workers to make possible the carrying on of the shipbuilding industry in Great Britain. According to advices received by the Bankers Trust Company of New York from its British Information Service, Sir George said he had noticed that the president of the Board of Trade had stated it was the duty of the Government to tell the truth without fear. Sir George added that if it was the duty of the Government, it was the duty of everyone else interested in the country.

One thing, said Sir George, that people did not realize, was that but for capital and capitalism everyone would be unemployed. It was only through the reserves of capital that people could get orders and go on building ships at all. They were told by some of the labor leaders and employers that capital ought to make sacrifices. They were making great sacrifices. The shipbuilding fraternity were giving up all their profit, not only part of it. He wished that they might even get 1 per cent profit. The workmen were making sacrifices, too. They were co-operating with the employers. On the other hand, the people in the sheltered trades, or, as we would say in this country, the protected trades, were not co-operating with them, and were keeping up costs, and were keeping them from stemming the unemployment. He was convinced that they would have to work harder and longer, and until that was realized they would not be able to terminate unemployment. He said it depended mainly on the railway men and miners. He could not see how they were going to have a chance of prosperity so long as miners were working only 7 hours a day, whereas in other countries they were working up to 10 hours a day.

The Glenledi is an unusual vessel, because, although it will eventually be 379 feet in length and carry 4825 tons on 18-foot draft in fresh water, it is being built to dimensions suitable for passing through the locks of the Welland Canal, Ontario, by omitting 144 feet of the midship body. This portion will be fabricated at the builders' yard and taken out to the Great Lakes in the ship herself, which, after passing through the canal, will be docked, cut in two and the fabricated portion built in place by the owners, thus completing her full dimensions of 379 feet.

Florida's Orange Crop.

AN OUTLINE OF SOME OF THE POSSIBILITIES THROUGH IMPROVED METHODS OF MARKETING.

By GEORGE M. CHAPIN.

Much apprehension has been expressed by economic writers from time to time lest the production of citrus fruits in Florida soon exceed profitable limits; in other words, that the supply exceed the demand.

The fear has a substantial basis, particularly if the present rate of increase of production shall be maintained and with no improvement in marketing methods, and there is no reason to believe that the rate of production will be lessened.

The rate of increasing production is indicated in the following tabulation of the production of recent years, indicating the annual product in standard boxes. Under the head of oranges are included oranges, tangerines and satsumas, while grapefruit is listed separately:

FLORIDA CITRUS FRUIT PRODUCTION.

Years	Oranges	Grapefruit	Total
1918-19.....	5,700,000	3,200,000	8,900,000
1919-20.....	7,000,000	5,500,000	12,500,000
1920-21.....	8,700,000	5,100,000	13,800,000
1921-22.....	7,300,000	6,000,000	13,300,000
1922-23.....	9,300,000	7,600,000	16,900,000
1923-24.....	11,330,160	7,703,760	19,033,920
1924-25.....	9,970,000	7,830,000	17,800,000

The figures for the crop of 1924-25 are necessarily approximate, as they are compiled immediately following the close of the shipping season, July 1, too early to make them exact, but the final reports are not likely to differ from these by important percentages. The figures show the rail shipments by the responsible agencies. It is believed that shipments by express and water will increase the season totals slightly.

For this crop the selling agencies received \$48,000,000. Allowing an average charge of \$1 a box for advertising, selling, picking and packing, including the cost of box material, wraps, etc., there remains net \$30,000,000, which the growers received, the actual value of the fruit on the trees.

The railroads within the state received about \$4,450,000 for transportation, and this may be fairly considered as accruing to state interests, making a total of \$52,450,000 brought into Florida by the crop of the season just passed.

Prices for oranges ranged high throughout the entire season, while prices for grapefruit were lower than normal until the later months, when they improved materially. Prices were due in large measure to shortage in the crop both in Florida and California and partly to better methods of selling. About \$450,000 was spent for advertising.

It is to be remembered that the figures given above are subject to correction and revision within small limits. They were given by Capt. L. M. Rhodes, commissioner of the State Marketing Bureau, and it is understood they were prepared by the authority of the Florida Citrus Exchange.

The United States estimate of the Florida crop issued early in the season predicted a crop of 22,000,000 boxes. The estimates for grapefruit were approximately correct, but for oranges they were too high, and this is accounted for by the fact that the sizes of the fruit were much below the averages of past seasons; this was explained by unusually dry weather during November and December of 1924, the maturing season for the fruit.

A careful study of the tabulation given reveals some interesting facts. One is the steadily increasing totals of production from year to year, interrupted in the season of 1921-22, due to heavy storms in the southern part of the state and causing an unusually large percentage of windfalls. Another noteworthy fact is the rapid upcurve of grapefruit production in proportion to the total yearly citrus output. Is this ratio of increase likely to continue for the next five years or ten years or even longer? It is, and it is more than likely to

become an even sharper curve, for the proportion of grapefruit trees in recently set groves is becoming greater year by year.

At present there are in the state approximately 12,000,000 bearing citrus trees. In addition there are from four to six million trees that will come into bearing within the next three or five years, and, still further, real estate developers are setting out each year at least one million budded trees which will begin to add to the production of the state four to six years from setting. Accordingly, it is more than probable that Florida will before many years produce a 50-million box crop. This prediction is a long way inside the possibilities, to say nothing of the probabilities.

The citrus fruit crop has been for many years the most valuable of all Florida's soil productions and it should be made vastly more profitable in the years to come. In the not distant future Florida is sure to become the world's greatest orange grove. What is to become of this enormous product?

It is a question intimately connected with the real estate development of the state, foreshadowed by the unprecedented activity which has stirred it during the past year and which appears likely to continue for months to come. The disposition of this great citrus product is to be solved by better salesmanship and by more efficient methods of distribution and transportation. It is rapidly becoming one of the great problems awaiting solution in Florida.

Among the strongest favoring facts to wider and better marketing methods is that the Florida orange has not a real rival in the world in appearance, flavor and shipping quality. And Florida-grown grapefruit stands alone. It is not approached, even by the Porto Rican product, which most closely resembles the Florida grapefruit. The island produces only a few thousand boxes, so the crop is negligible in quantity.

Some interesting facts have been brought to light by Commissioner Rhodes of the Florida Marketing Bureau, who is one of the most expert and reliable statisticians in the country, with the rare gift of making dry figures tell wonderful stories. He said to the writer:

"If the 66,500,000 boxes of oranges grown annually in the world could be so evenly distributed that each of the 1,800,000,000 inhabitants of the earth could have his share, each would have one orange every 52 days. If all the oranges grown in the United States could be evenly distributed among the residents of the United States and Canada, each would have 50 oranges a year, almost one a week. If all the grapefruit grown in the United States and Porto Rico could be evenly divided among the residents of this country, each would have three and one-quarter grapefruit a year, or one every 109 days. That doesn't look much like overproduction to me, not yet."

It appears that with better methods of distribution, even in this country, there must be a campaign of education as to the value of citrus fruit in health building and health restoration. Undoubtedly the largest consumption of this fruit in the United States is in and near the densest centers of population, and the per capita consumption is vastly greater in the cities of the North, the middle West and the South, and conversely it is smaller in the smaller towns and rural communities. It is largest where the population is sufficient to warrant the shipment of the fruit in carload lots. In the sparsely settled districts the demand is not sufficient to justify the retail dealer in carrying a stock of oranges as he

would breakfast foods and standard groceries. Naturally, he would not be justified in ordering a carload of oranges for his trade.

The experienced motorist realizes that the hardest thing to find in the average country store in any section of the country is fresh fruit of any variety. So it is probable that education as to the value of citrus fruits would be as essential in building up a trade for oranges or other fruits as a regular article of diet, instead of as a luxury at Christmas and holiday times. This education should include a full explanation of the hygienic values. And incidentally the Florida citrus crop of 1917-18 brought to the growers the largest aggregate returns of all the citrus crops ever raised in the state—something more than \$35,000,000. It will be recalled that the fall of 1918 saw the spread of the flu epidemic like a blanket over this and other countries and deaths were numbered by the thousands. Intelligent physicians urged and prescribed oranges for their convalescing patients. The demand grew daily and prices increased, and although the production that year was below the average the returns were greater both in the aggregate and in the box price.

Were the demand increased in the smaller communities it would make it profitable for the retailer to get his stock of fruit from the nearest commercial center by motor or in less than carload lots. This trade is worth while and awaits development by men of large vision.

The use of Florida citrus fruit juices as syrups and flavors in drug store and other drink fountains is being urged with increasing success in many parts of the country. The juices in this form lose none of their hygienic values nor delightful flavoring. This provides in convenient form for popular use all the advantages that come with the consumption of the natural fruits, and it brings these advantages to the smaller community into which the boxed fruits may not be profitably imported.

The canning of Florida citrus fruits, especially of grapefruit, has been developed into an industry of much importance in the orange belt of southern Florida, and the capacity output of these canning factories is at present far below the commercial demand. The methods employed retain all the flavors of the natural fruit, and they have the additional advantage for the grower that they provide a use for much of the crop the appearance of which bars it from the higher packing grades established by the United States Department of Agriculture, and which contain all the hygienic values and flavors enclosed within the smooth-surfaced and highly colored skins of these higher grades.

These two uses of citrus fruits may be and should be developed into a large aggregate consumption of Florida citrus fruits.

But there is another market to be developed, which has been barely touched, even experimentally. The Englishman at home is a fruit eater. For years he has been eating the oranges grown in Spain, a fruit much inferior to the Florida product. He enjoys fruit at breakfast, as Americans do. He has tasted Florida oranges and he likes them better than he likes the Spanish fruit. But only a few of the English have an acquaintance with the unrivaled Florida grapefruit. A few have had samples of it at the breakfast table. The Englishman has been taught how to eat it, and he has liked it and asked for more. Here is an opportunity in capital letters. And what is said about the English market in this connection applies with emphasis to other European countries.

From Florida ports the great markets of London, Liverpool, Hamburg and other population centers can be reached. Fast refrigeration lines can put down Florida fruit in these markets in good condition, for it has been done already on a small scale. Such a line of steamers operating from Florida ports and owned and controlled by Florida capital could invade these distant and valuable markets. Recent reports

show that the fruiterers of London have aroused much interest and good sales by advertising Florida-grown citrus fruits. Such a venture would be likely to bring small returns for a season, but eventually would be of vast profit to the promoter and to Florida growers in the years to come.

As a proof that this idea is not of the stuff from which dreams are made, it is reported that a few Californians are planning the operation of refrigeration ships from the Pacific states to England during the coming season, these to be loaded with California fruit and routed through the Panama Canal. And this with Florida's unrivaled citrus fruits only a few days from London!

Atlanta to Vote in September on \$2,000,000 for City Hall.

An ordinance has been passed by the City Council and Board of Aldermen of Atlanta, Ga., providing for an election September 23 on a bond issue of \$2,000,000 for the erection of a city hall and county annex to accommodate the juvenile courts, county jail, county police and other departments of Atlanta and Fulton county. It is planned to erect the struc-



\$2,000,000 CITY HALL AND COURTS BUILDING PLANNED FOR ATLANTA.

ture adjoining the present courthouse, one-half of the site necessary for the building being owned at present by the county. Formal request has been made by the city for its donation to the project.

The building will be 165 by 165 feet, 23 stories, with tower dimensions, 75 by 75 feet. It will be fireproof, of steel, concrete and tile construction, with concrete foundations resting on concrete piers. It is planned to build approximately five more stories than will be necessary for present needs of the city, the purpose being to rent these stories as offices for lawyers until such time as the city shall need them.

A. Ten Eyck Brown of Atlanta is the architect.

\$600,000 Building for San Antonio.

San Antonio, Texas.—A 12-story office building will be erected in this city by Max Goodman, a local capitalist, at a cost of \$600,000, according to a recent announcement. The structure will be located on Houston street between Broadway and North Alamo street, covering a site 26 by 136 feet. It will be of brick, stone and concrete construction.

A Broad Discussion of Freight Rates from Several Angles.

By DONALD F. WALKER, Secretary-Manager, the Chamber of Commerce, Monroe and West Monroe, La.

It is with the greatest interest that I have read the two articles in your issue of July 16 regarding railway freight rates. No subject deserves greater popular interest at this time. As secretary-manager of a chamber of commerce charged with promoting the agricultural, industrial, commercial and civic development of this city, I find that the matter of railway freight rates occupies a position of importance out of all proportion to what I believe to be its natural position. This may be due largely to the action of the carriers, no doubt, but it is due also to the position taken by communities and individual firms in their struggle for business supremacy.

The subject of railway freight rates consumes one-fourteenth of the total income of this organization. It consumes even larger proportions in many organizations. One very successful state chamber of commerce is 75 per cent a traffic bureau. Strange though it may seem, an efficient traffic bureau can do more to popularize a chamber of commerce than any other agency. The reason for this is that such a bureau can get good cash money recovered or saved for the members in a tangible, definite way, while other activities are more or less intangible in their benefits. Such traffic bureaus are often the only agency in the community standing between the small shipper and startling losses from overcharges, loss and damage, etc.

For four years I have been connected with organizations either having traffic bureaus in their organizations or contributing to independent bureaus which served the same purpose. Naturally, I have heard much traffic talk. Today I know less about freight rates than I ever did.

I recently moved from Clinton, Ind., to Monroe, La. I asked the traffic bureau of the Terre Haute Chamber of Commerce to advise me as to the best and most economical routing, method of shipment, etc. After consulting with them, I routed my stuff, taking an entire car for the purpose, although the shipment did not fill the car, because the carload lot rate was so much less than the less than carload rate. The goods were placed in the car. I started to settle for the shipment. My bill was figured by the railroad at a rate that made the total cost some \$40 more than the rate given me by the traffic bureau. Naturally, I challenged the rate, and after some days of argument, with the car setting on a siding, the case was fought through to the Chicago office of the road, which upheld the traffic bureau and the shipment moved for the rate given me by them.

Suppose I had simply approached the railroad as I would have approached it for a passenger ticket and had paid what was first asked me. I would have been overcharged \$40. I could not have known definitely that I was so overcharged, but I would have felt that it was too high, and I would have been tempted to join the growing ranks of those who feel they have a grievance against railroads and big corporations in general without knowing just why—in other words, a potential Bolshevik.

Remember that nine individuals out of ten with some household goods to ship simply approach a railroad as they would to buy a passenger ticket. They know nothing of traffic bureaus. They simply pay the bill. The same thing applies to most small shippers. Traffic bureaus will hardly try to examine less than carload shipments for overcharges, because the time consumed is out of proportion to the amounts involved in carload shipments, and most bureaus have their hands full checking carload shipments only. Any traffic bureau will check any number of bills carefully and

painstakingly for a charge based on a commission of recoveries made. They are willing to do this because every batch of bills is practically sure to have some mistakes in them. It is seldom that the batch is O. K., thereby causing them to have checked them for nothing.

Now, who was to blame in my case and in most cases of overcharges? I agree with your writer and say the author or authors of the system. The railroads are not, in many cases, guilty of deliberate dishonesty, but the tariffs are so involved, complicated and "balled up" that in over half the instances it would seem that any one of from two or three rates might apply; and, naturally, to protect the carrier, the agent applies the highest one on the list. In my own case the local agent did not want to overcharge me. He early in the controversy admitted he knew little about the matter and had no idea what rate to apply. He let me read the tariff, and after reading all the "dope," notes, cross-notes, rules applying to official territory and rules applying to Southern territory, I was not sure whether my traffic bureau was right or not. It was a matter of the interpretation of the rules governing interterritorial joint rates, and if you read one paragraph you believed one thing, but if you read another it looked different again. Finally, the highest authorities decided in my favor to the tune of the price of a suit of clothes. The whole thing was absurd from first to last, and horribly unfair to the small, inexperienced shipper.

But when it comes to changing the status quo, that is another matter. Every community in the country at the present time enjoys, or thinks it enjoys, certain rate advantages over some other community, which makes it possible for them to operate certain industries which otherwise might fail or move elsewhere. Each of these communities suffers, or thinks it suffers, from some rate inequalities which prevent them from operating certain industries or from securing certain new industries. What is the result? We are all at war. We have to watch constantly, and fight most of the time, not to lose our advantages which are being attacked by our civic competitors, and we are waging aggressive war all the time to break down the advantages of the other fellow. I know this is true because I am involved in some such case most of the time.

In this intercommunity warfare the welfare of the carriers is not considered, nor, in the long run, is the welfare of either the general public or of shippers other than our own given consideration. Take the Indiana coal rate fights.

The Indiana coal field, solidly unionized, is fighting for its very life against the incroachments of the non-union fields in West Virginia and Kentucky. Several years ago Michigan manufacturers, seeking lower fuel costs, asked and secured a reduction on coal from the Inner Crescent. As only an imaginary line divides Michigan from Indiana, the next move was a request from northern Indiana manufacturers, through the Indiana State Chamber of Commerce, for a reduction of rates from the Inner Crescent. This hit Indiana operators and the Indiana field a hard jolt, considering that the Indiana field was practically depending on the freight-rate differential to offset the differential in production costs, which, of course, favored the Inner Crescent. So the State Chamber filed a case before the State Commission for a reduction on intrastate rates from Indiana mines to northern and central Indiana to offset the reduction from the Inner Crescent. After winning but about 75 per cent of their request from the Indiana Commission, the carriers threw the case into the courts. By the time the shippers won their

case in the courts, or, rather, before the final decision was handed down, Michigan had started it all over again by securing a second reduction from the Inner Crescent, and northern Indiana immediately asked the State Chamber to file another case to meet the reduction from the Inner Crescent to Michigan. The result was a bitter fight within the State Chamber.

The Coal Trade Bureau wanted to get the State Chamber to fight the reduction that had been secured by Michigan, endeavoring to get their rates put back up. But that is against the rules of the entire rate game as it has been played for several years. The "ring-around-a-rosie" system of one territory getting a reduction, then all the others filing because they must meet competition, is really the system used to lower the entire system of freight rates. To try to get a rate put back in line by boosting the other fellow upward was not only against the rules of the game but against the trend of the times. The result is that the Indiana coal field is out of luck, because it is hardly possible that the Indiana State Commission will again grant a decrease, and even if it should do so on a 75 per cent basis it will mean the eventual elimination of Indiana coal.

But my main point is that at no time was the problem of what it costs to haul coal taken into consideration. It was a battle for a protective tariff of freight rates, with the Indiana Commission failing to amply protect one of its own industries. There, again, you have conflict between interstate and intrastate rates. I would suggest that steps be taken to give the Interstate Commerce Commission the power to entirely govern intrastate rates, in order that so much more confusion may be eliminated.

The whole system is absurd and must be corrected. I acknowledge I have no panacea for correcting the matter. But it is a fact that no progress can be made until everyone is willing to yield a little for the common good—the states, the Commission, the carriers and local communities and individuals.

\$750,000 Theater Planned for Mobile.

Mobile, Ala.—A new theater, to represent an investment of \$750,000, including site, will be erected here by the Saenger Amusement Co., Inc., of New Orleans. Plans for the structure, being prepared by Emile Well, New Orleans, are expected to be ready for estimates within two weeks. The building will be located on Joachim street, occupying about half the square bounded by Joachim, Conti and Jackson streets. A 75-foot lobby and arcade will extend from Joachim street, with three entrances leading to the inner foyer.

The floor of the lobby and arcade will be of marble and tile of multi-colored designs, while the walls and ceilings will be decorated with marbles and ornamental plaster. Spacious stairways will lead from the foyer to the mezzanine promenade and lounge, and there will be direct exits at either side of the foyer leading to the exterior. The auditorium, of cantilever construction, will have a clear span across of 90 feet, with no columns to obstruct the view of the stage. It will seat 2700. Features of the building will include a promenade balcony, smoking rooms for men and retiring parlors for women on all floors, comfort rooms, shower baths and other facilities.

Hydro-Electric Development for Virginia.

South Boston, Va.—Plans have been made by the Southside Virginia Power Co. of this city, recently incorporated with an authorized capital stock of \$500,000, to build hydro-electric plants on the Meherrin River, Dan River and Staunton River. Incorporators of the company are: Ira Vaughan, president, and James F. Penrose, secretary, both of Philadelphia; Cecil L. Reid and Alvin T. Embrey, both of Fredericksburg, Va.

Hydro-Electric Power and Coal Benefiting Each Other in Alabama.

[From the Birmingham Age-Herald.]

President Thomas W. Martin of the Alabama Power Company, in announcing the placing of an order for generators for the Cherokee Bluffs power plant now under construction, calls attention to some facts which show in striking manner the growth of this company during the past five years. The three new generators are of 45,000 horsepower each and will be the largest in the United States. Each will generate 10,000 more horsepower than those installed by the Government at Muscle Shoals. It is stated that these three power producers would have been sufficient to carry the entire electric load of the company as recently as five years ago.

But probably the point of greatest significance is the assertion that the new generators will develop in a year the same energy that would be produced in the most efficient steam-power plant by 1,000,000 tons of coal. At first thought, that would seem to be a severe blow at the Birmingham mineral district as involving the annual displacement of 1,000,000 tons of coal from the state's average production of 20,000,000 tons per year. In practice, however, the increase of hydro-electric energy in the state has not decreased coal production. It has had the effect of forcing the coal men to make changes in their markets. In some cases the operators have been compelled to go afield to find outlet for their output which had previously been used by industries which now use hydro-electric power. But with slight variations, due more to general business conditions than to anything else, coal production in Alabama has mounted steadily each year, both before and since the advent of hydro-electric energy on a large scale.

That is the feature of the state's industrial situation which is so encouraging to those who take such keen interest in its industrial progress. The Alabama Power Company is rapidly approaching the point where it will produce 500,000 horsepower from the state's rivers, all of this tremendous amount of energy being put to use and finding ready market. New industries have been developed to use the power as it became available. That coal production has maintained its steady increase is indication that no real inroads have been made upon it by electricity. Other markets have been sought; new uses for coal have been found, and millions of tons of coal are now being converted into coke and chemicals which were formerly used under wasteful steam boilers in general industry. Instead of injuring each other, the producer of electricity and the producer of coal have really been of benefit to each other, for the element of competition has stimulated each to new markets and the development of new industry to utilize their output.

To Establish \$1,000,000 Plant at San Antonio.

San Antonio, Texas.—The plant of the Stroud Motor Co., near San Jose, on the southern edge of this city, has been acquired by the Krueger Machine Co., which plans to equip it for the manufacture of oil well, irrigation, ginning and refrigerating machinery. The purchase involves an initial cost of \$680,000, and with the additional cost of new machinery and improvements will represent an investment of \$1,000,000. A main building, 440 by 100 feet, will be used for machine shops and finishing plants. The foundry building is 140 by 80 feet. Officers of the Krueger Machine Co. include Max A. Krueger, president and treasurer; M. C. Scheble, vice-president, and A. S. Brown, secretary.

Plans for \$250,000 Masonic Temple.

Alexandria, La.—Plans and specifications are expected to be ready within 60 days for the new \$250,000 Masonic temple to be erected here. The building will be 106 by 103 feet, four stories, of steel-frame and face-brick construction, with stone or terra cotta trim. It will be equipped with two electric passenger elevators. Space will be provided on the first floor for stores, on the second and third for lodge and social rooms and on the fourth for an auditorium to seat 1000. Sam Stone, Jr., & Co. of New Orleans and Herman J. Duncan of Alexandria are associated architects.

BANKING ON CHARACTER ALONE.

An Atlanta Banker Tells of His Experience.

Atlanta, August 3—[Special.]—Are people honest? "Yes," says W. Woods White, president of the Morris Plan Bank of Atlanta, the oldest member of the Morris Plan chain and one of the most successful members of the system. To prove it, he presents facts and figures dealing with the people who have borrowed from his bank and who have had accounts there during the 14 years of its existence.

The Morris Plan Bank of Atlanta does not require security on loans made to individuals, but lends solely on the character of the borrower. It does not demand that a borrower have a large salary—it does not require that he have any salary at all. In some instances it has loaned \$50 or \$100 to strangers coming into the city, the only requirement being that their friends endorse the note. Some of the most substantial depositors in the bank got their start in that way.

The bank has a questionnaire to show an applicant's nationality, age, profession, place of employment, salary received, what property he has and his general habits, and while the applicant is negotiating for a loan he is "sized up" by an official chosen for his judgment of human nature. If the answers to the questionnaire are satisfactory, and if the attached report of the character-reading official is favorable, the man can borrow the money without trouble. In the case of a stranger, this procedure is supplemented by having some of his friends endorse the note. In this way hundreds of strangers, chiefly in the Greek and Italian settlements of the city, have got a start in business and have made good. The bank insists only that every borrower be a depositor at the bank, which enables it to see what he is doing and how he is getting along.

"During 1924 we handled more than 3000 individual accounts," says President White. "Of this number only 127 had to be reminded that their notes were overdue or made trouble for us in collecting them. At the same time we handled more than \$686,000 for customers, with the loss of only \$375. In the 14 years the bank has been in existence we have handled more than \$3,500,000, with losses of only \$7000 in loans that could not be collected. If that is a record for the bank it is also a record for the natural honesty most people practice in dealing with one another.

"Character is the determining factor in deciding whether or not it is safe to lend a man money. It does not matter whether or not the man has property as security for a loan; it does not matter whether or not he is making a good salary. The thing that counts is whether he has character or not—whether he will work and save and pay back the money that he has borrowed from us. That is why we base our plan on character. If a man is rich and without character, he can usually find some way to 'beat' the bank. If he has property and is without character, he may put that property out of reach and so get out of paying. But if he has character he will eventually pay everything he owes. If he has good habits, a good reputation and good friends, he is a good risk for the bank.

"Character, after all, is the best security, and nothing else can compare with it in the banking business.

"Sometimes people get in a jam and cannot meet their payments. In such cases, if they come and tell us about their troubles, and we are sure that they are not trying to 'beat' us, but will pay when they can, the sensible thing to do is to help them and let them pay when they can. It is poor business to assume that every man who is slow pay is a 'dead beat.' In such cases we try to help the customer, instead of jumping on him while he is down."

The Morris Plan figures on getting its loaned money back in 50 weeks, at \$1 a week in the case of a \$50 loan and \$2 a week in the case of a \$100 loan. Eight per cent interest is

charged, payable in advance. The bank's customers, says Mr. White, include cotton-mill laborers and office stenographers, foreign merchants starting out with \$100, and lawyers and doctors. "The foreign element is especially honest," says Mr. White. "In all my years of dealing with this class of people I have never known more than two or three who deliberately tried to get out of paying back the money borrowed. And we have helped hundreds of them to get a start in business. Many a foreigner borrows \$50 and starts out with a fruit stand, a shoe shop, or some business where he can make a living while learning English. But he always manages somehow to get that \$1 a week to pay back to the bank. He is fundamentally honest, as a rule. And, once a customer of the bank, he remains one."

So, Mr. White believes that character counts for more than property in lending money, that people are honest to a far greater degree than most credit men will believe, and that a bank which serves by compelling its patrons to save makes better business men of its customers and builds a better business for itself.

Agricultural Prospects Bright in Louisiana and Mississippi.

New Orleans, La., August 1—[Special.]—Crop prospects of Louisiana and Mississippi were never better. The figures tell a story of genuine prosperity in this section, a prosperity in which the farmers will share as probably they never shared before. In practically all the major crops, the indicated production this year is considerably heavier than it was last year, and the price trend is generally upward, except in the case of sugar. Taking last year's prices as a basis, the farmers of Louisiana and Mississippi, if their crops turn out as Government condition-figures now indicate, will get about \$100,000,000 more for their production this year than last.

Louisiana's yield of cotton last year was 480,000 bales and the value was \$60,254,000. The indicated yield this year is 525,000 bales, and it should be worth about \$66,000,000. Mississippi last year produced 1,098,276 bales of cotton, worth \$173,160,000. The indicated crop this year is 1,342,000 bales, worth about \$211,000,000.

Louisiana's sugar planters should harvest nearly three and a half million tons of cane this year, about three times the crop of 1924. The value of cane and cane products last year was \$17,439,000. On the same price basis the value this year would be \$45,353,000. The low prices have not yet touched the Louisiana planter, but it is apparent that there is ample leeway to allow for price recessions and still give a return millions of dollars heavier than the 1924 crop brought.

Louisiana's rice crop last year was 17,078,000 bushels, worth \$23,226,000. The yield this year should be 18,034,000, worth \$24,387,000.

Mississippi's corn crop in 1924 was 29,316,000 bushels, worth \$37,000,000; this year it should be 43,000,000, worth \$54,000,000. Louisiana's corn last year, 18,998,000 bushels, was worth \$21,848,000; this year, 26,837,000, worth \$30,862,000.

Miami News Publishes 504-Page Edition.

Miami, Fla.—In the observance of its twenty-ninth anniversary and the formal opening of its new \$1,500,000 building, the Miami Daily News has issued a special edition of 504 pages. It carries approximately 1000 illustrations. There are 15 color sections of 24 pages each, in addition to the magazine sections.

The new Tower Building, which this edition commemorates, is 187 by 120 feet for the first three stories, rising to a height of 15 stories in the tower. It is of steel construction. Schultze & Weaver are the architects and the George A. Fuller Co., general contractor, both of New York.

\$2,000,000 MONTGOMERY WARD BUILDING NOW OPEN.

3-Story Structure Completed in Baltimore—Over 2000 Employees Required.

Erected at a cost of approximately \$2,000,000, the new building in Baltimore of Montgomery Ward & Co. of Chicago has been formally opened to the public. The structure is intended to serve customers east of the Allegheny Mountains and will enable the company to render more efficient and quicker service than was possible from Chicago. Attractive in design, every effort has been made to make the building the most efficient possible for mail order operating.

The structure is 460 feet long, having two wings of 140 feet each, with an 80-foot court to accommodate three receiving tracks. On the far side there are two shipping tracks. It is eight stories high, fireproof, of reinforced concrete flat slab type of construction, with steel sash and a glass area of 100,000 square feet. It contains a total of 720,000 square feet of floor space and is thoroughly equipped with sprinklers. The entire front portion of the first floor will be devoted to a retail store, where purchases may be made over the counter, while the remainder of the building will be utilized for filling retail mail orders. On the second floor there will be an attractive cafeteria and cafe where customers and employees may be served. Provision has also been made for large recreation rooms, rest rooms and doctors' offices for the benefit of employees. More than 2000 people will be employed.

Plans and specifications were prepared by W. H. McCaully, construction engineer of the company, and general contract awarded to the Wells Construction Co. of Chicago. Sub-contractors and material firms handling the major items of construction include the following: Riggs, Distler & Co., heating and plumbing; James Lumber Co., lumber; Arundel Corporation, sand and gravel; W. G. Gischel & Sons, track work; William Bayley Co., steel sash; Chesapeake Iron Works and Dietrich Bros., miscellaneous irons; Henry W. Podolsky, plastering, all of Baltimore; Rockwood Sprinkler Co., Chicago, sprinkler system; Pittsburgh Plate Glass Co., glass; National Decorating Service, painting, and Warren-Ehret Co., Philadelphia, roofing.

Airplane Service New York to Miami.

George Williams, president of the Williams Aero Transportation Co., is quoted in New York as saying that a route has been planned for the proposed airplane service between that city and Miami, Fla., which is expected to be established November 1. Stations have been tentatively decided upon, some for emergency landings and others for taking on or for discharging passengers not traveling less than 500 miles. Regular schedules will be arranged for arrival and departure. The fare per passenger, including not over 30 pounds of baggage, will be \$125. The Dornier Wals seaplane made by the Maybach Zeppelin Co. of Germany, which has offices in New York city, will be used. Each plane carries 14 passengers and can fly at the rate of 115 miles per hour. Its weight empty is 7725 pounds and fully laden for flight 11,700 pounds, or a little less than six net tons.

New \$400,000 Hotel at Burlington.

Burlington, N. C.—Erected at a cost of approximately \$400,000, including site and furnishings, the Alamance Hotel here has been opened to guests. The structure was erected by the Burlington Hotel Corporation, of which W. K. Holt is president, and contains 85 rooms, all with bath and circulating ice-water, and one-fourth with showers. It has a public dining room to accommodate 120 and a private dining room to seat 50, while the banquet and ballroom will accommodate 250 guests. Charles C. Hartmann of Greensboro, N. C., is the architect, and the Beaman Construction Co. of Raleigh, general contractor. A financing campaign was directed by the Hockenbury System, Inc., of Harrisburg, Pa. The hotel has been leased for a period of 20 years by the Carolina Hotel Co., J. F. Somers, president, and will be managed by R. R. Taylor.

Hotel and Apartments for Miami Beach.

Miami Beach, Fla.—Frank Lypsky, representing Chicago interests, has commissioned W. F. Brown of Miami to prepare plans for two 80-room hotels and an apartment house to be erected here. One of the hotels, a three-story structure, will be located at Fourteenth place and Euclid avenue, and the other on Jefferson avenue between 10th and 11th streets. It is planned to erect an apartment house at once on the ocean front—possibly two. The same interests are also said to be considering the erection of a 14-story office building.



NEW \$2,000,000 BUILDING OF MONTGOMERY WARD & CO. AT BALTIMORE.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

Suggests How to Meet England's Boost of Rubber Prices, Holland's Tin Prices and Brazil's Coffee Control.

ROBERT H. EVANS, Detroit, Mich.

There is food for thought, and stimulus for action in your June 4 issue, page 83, "Trying to Make Rubber Pay British Debt to United States." You refer to Secretary Hoover's report giving the statement in millions of dollars now being taxed on the American people by consciousnessless profiteering on the part of the British Colonial Office, raising the price of rubber from 17 cents to 70 cents a pound, with the evident purpose and determination to use that necessary commodity to pay the English debt to the United States. This means a direct tax of from \$10 to \$20 on every automobile made in this country, besides an enormous tax on everything made from rubber, or containing rubber, from the nipple on the baby's milk bottle to the larger necessities in the mechanical and building arts.

The closing sentence in your article reveals the only possible course for our Government to pursue, for if we are to have a real commercial war with England it is squarely up to the big business men of this country to take a hand in the fight by forcing the politicians in Washington to get the Government into partnership with the people and our business interests, without delay, for retaliation.

You know, and every business man and manufacturer in this country knows, that the three cheapest commodities in the world today are cotton, copper and gasoline, and that the three most out-of-all-reason commodities are rubber, tin and coffee. The Brazilian Government takes care of the world's supply of coffee by paternalism, and has boosted the price more than 100 per cent. England, with a trade treaty with Holland, controls the tin supply of the world, and has boosted the price 100 per cent. A pound of copper is worth intrinsically as much as a pound of tin, any day and every day in the year, while every pound of cotton produced in this country should net the producer from 30 to 40 cents per pound. It will take 10 years for Mr. Ford or any other interest to develop enough rubber in this country to supply any one of the large automobile makers with tires. We can pay England 70 cents for rubber and 60 for tin and not worry about the price by making the price of copper what it should be, and placing cotton where it belongs as the world's most essential fabric commodity. As to gasoline, that will take care of itself, and I only mention it because it is the cheapest thing in its line the world has ever produced, and I want to go on record with the prediction that it will look cheap at 40 cents per gallon in my flivver tank within the next 24 months.

The South's Summer Climate an Asset.

B. P. TEMPLETON, Dellvale, Texas.

We in the South can stand from 90 to above 100 degrees of heat with more comfort than the people up North can endure a temperature of 80 to 90 degrees, because there is less humidity in the air than in the North. The air being dryer, the sweat is evaporated nearly as fast as it comes through the skin. This evaporation keeps the temperature of the body from rising to an uncomfortable degree. We have very few heat prostrations and practically no sunstrokes here in Texas even when the temperature is up to from 105 to 112 degrees. The atmosphere in the South is seldom sat-

urated with enough humidity to make the heat uncomfortable.

Come South, young man, if you want to enjoy the comfort of the good old summer-time. The Appalachian uplift from the Potomac River south and westward has the most pleasant and enjoyable climate in North America. As a summer resort it is an ideal location—there is no better place. How you would enjoy being sung to sleep every night by the whippoorwills, and awakened in the morning by the mocking-bird's reveille and the woodpecker's drumming on an old dead limb just to make a racket!

Narcotic Laws Are Disobeyed as Well as Prohibition Laws.

ROBERT LEE HALL, Decatur, Ga.

Taking my cue from the MANUFACTURERS RECORD, I here-with submit food for further thought on "How to Destroy the Bootleg Industry." From information at hand, I should say that the present so-called Prohibition machinery is instrumental in serving to create more disrespect for our laws than all other causes current at the present writing. The reason for this is probably traceable as follows:

First—A powerful undercurrent among our people that frowns upon anything that savors of infringement upon personal liberty. Seizure or search, either or both, are terms hated of Americans; this feeling had its inception many generations ago, as our history proves.

Second—An inherited taste for and a belief in the therapeutic value of alcoholic beverages.

Third—It is lucrative to the dealers, it affords a means of adventure and wealth to those restless spirits who chafe at the restrictions imposed upon them by modern civilization. This leads to the incorporation into their ranks of the criminal who is criminal by nature.

Fourth—Indifference on the part of the great majority, aided and abetted in this course by those concerned as mentioned above.

We often have called to our attention what a sorry spectacle we make in the matter of our respect or non-respect for law as compared with Great Britain. Now, I maintain that the people of the United States are as capable of observing discipline, making money, drinking liquor or fighting a war when occasion demands as is Great Britain or any other nation that ever existed. By the same token, we are not a browbeaten, methodical people. We believe in, cultivate and practice personal initiative. We admit of no inferiority complex, either personal or national. This being true, it naturally follows that there are many who have to "tell it to the judge," and many more who are not caught. To get results from such a people it is necessary to appeal to their innate common sense. To do this an individual or a law must be logical.

Now, to submit what appears to be a logical adjustment of the machinery for enforcing our Prohibition law. First, give it a leg to stand on—grant that it has human interest in it. Let it assume that whisky has its place in medicine. Appeal to the great majority's sense of logic. Make whisky procurable when actually needed. Place alcoholics on a par with narcotics, with the same rules, regulations and penalties attached. Abolish the Prohibition machine. Let the bureau that now handles the machinery of our anti-narcotic law also be entrusted with enforcing the prohibition of the use of alcoholics except as a medicine. Then, Prohibition will have millions of supporters where it now numbers them by the thousands; along with this will come a renewed growth of respect for all law.

THE IRON AND STEEL SITUATION

Increased Steel Output Seems Indicated.

Pittsburgh, August 3—[Special.]—July appears to have brought the end of the decrease in steel-mill operations, which began about April 1. There does not seem to have been any general upward or downward trend in operations during the month. Probably this presages an early increase, but definite conclusions cannot yet be drawn. There has probably been a little increase in steel buying, but possibly no more than enough to balance the playing out of some old orders.

Production of steel ingots in July was at a rate of about 35,000,000 tons a year, the peak rate in March having been 50,000,000 tons, so that there has been altogether a 30 per cent decrease. In March of last year a 50,000,000-ton rate was also reached, and then there was a 55 per cent decrease to July, production thereupon turning upward. That was an unprecedented slump, and by comparison the recent decrease has been a mild one. This, however, makes it less easy for operations to turn upward.

So much reference having been made lately to various rates of mill operation in percentages of "capacity," it may be well to make comparison with a more practical basis—the average rate of production in the six years from the war to the beginning of this year. The average rate in those six years was 35,000,000 tons a year, so that in the past few weeks steel has been produced at just about that average rate. Last March production was 44 per cent above this standard of comparison. The lowest rate since the war was in July, 1921, only 33 per cent of the average.

While there has been no little talk in steel-selling circles in the past few weeks about a better tone in the market and a better feeling among buyers, this has not led to much, if any, increase in the actual placing of orders. Buying would increase only as consumption increases or was about to increase, as deliveries are easily obtained and there is little likelihood of prices advancing to any extent. The greatest room for price advances would be in sheets, as they have had by far the largest decline since early in the year, but the condition in sheets is that while there is talk of black sheets having almost completed a firming up to 3.15 cents, large buyers have been able, if they chose, to contract to October 1 at 3.10 cents.

In no respect have steel prices weakened in the past week. Last declines occurred nearly a fortnight ago, \$1 a ton in plates and \$2 a ton in shapes. Altogether, steel prices have lost very little ground in the past two months, most lines showing no change at all. The lightest demand is for freight-car material and the heaviest is for tinplate and oil-country goods. There is little new buying in tinplate, but some additional or extra specifications have lately been filed on account of canning crops turning out still better than was expected.

The demand for oil-country goods is very heavy. It has been increasing for nearly three months, and now has the lap-weld departments of most pipe mills scheduled ahead for several weeks. Buying of merchant pipe is moderate and the butt-weld departments are running at 75 to 80 per cent.

Last week was one of the best five weeks since January 1 in lettings of fabricated structural steel contracts following three light weeks. Of the 30 weeks since the first of the year, the second ten ran a trifle below the first ten and the last ten a trifle above the first ten. The year thus far makes a good showing compared with previous years, being equal to 1923 and a little ahead of 1924.

Connellsville coke is dull and unchanged. Some operators are hoping for an extra demand on account of the prospective anthracite suspension.

Pig iron has been a trifle more active on the whole, with

quotable prices unchanged. Bessemer is dull at \$19, valley. Question as to whether the \$18 asking price on basic would hold in case of actual inquiry is regarded as resolved by two small scales at the price, 2000 tons and 1000 tons, respectively. Foundry iron has been moving a little more freely, and the \$18.50, valley, quotation is rarely, if ever, shaded.

Since the buying of heavy melting steel scrap reported a week ago, one mill paying \$18.50 and another \$19, there has been no further consumer buying. Dealers are paying for odd lots close to the prices in their short sales.

Reasons for Encouragement in Southern Iron Market.

Birmingham, Ala., August 3—[Special.]—Sales of pig iron aggregating about the probable make, deliveries and the home melt exceeding the make, and inquiries indicating a need for considerable iron for the remainder of the year—these factors taken together give encouragement in the Southern pig-iron market. The statistics as to iron make for the month of July will in all probabilities show a falling off compared with the total output for June. Quotations are showing a little more firmness and are inclined upward. Sales for third-quarter delivery during the next 60 days are on a base price of \$18.50 per ton, No. 2 foundry, and concessions are far from an easy proposition. For the fourth quarter there is a persistent \$19.50 price, with \$19 being asked for by consumers. Buyers still adhere to the hand-to-mouth method, except in a few cases, one or two round ton-nages having been placed since July 1 and several orders ranging from 1000 to 3500 tons given. Quite a little iron in small lots is yet being shipped into the middle West to consumers who think well of Southern iron as a mixture. There is hope that the surplus stock will be reduced materially during the remainder of the year. But one company has any stock of iron worthy of mention. The home consumption has shown a slight improvement in the last two weeks, the soil-pipe output being a little better. The Birmingham Machine & Foundry Co., which has for the past two years been diversifying at its big plant here, in the last few months taking up the manufacture of pumps for gasoline and oil stations, has a good trade now in that product, the small department working full time, with shipments steady, this being the first plant in the South to produce these pumps. Other plants are taking up diversified work. Many of the smaller foundries and machine shops are doing automotive regrounding work and small repairing which is keeping forces well employed. There is considerable regular foundry and machine-shop work being received here also, while the larger foundries have still some sugar machinery, big repair work and a few engine contracts to turn out.

The pressure-pipe trade continues good, despite the announcement a few weeks ago that the peak of the business was thought to have arrived. There is a good unfilled tonnage to be cared for and several specifications have been bid on in the last few weeks. The local utility companies, the gas and water-works, are laying pipe in expansion work, and in the Southern territory there is need for large-sized pipe. Florida is taking pressure pipe from the Birmingham district. Brick, steel in various shapes, structural and concrete bars in particular, and other products of this section are being shipped into the neighboring state.

Steel market conditions in the South are fairly good, judging by the steady plant operations and the shipments. The mills of the Steel Corporation subsidiary in the Birmingham district have been working at not a very great deal under 100 per cent capacity, while the Gulf States Steel Company

has had three open-hearth furnaces going and a large percentage of its finishing mills. The Tennessee Coal, Iron & Railroad Co. recently started up some of its shops on the manufacture of railroad accessories and orders are being reported. The Missouri Pacific Railroad is said to have distributed a goodly sized order for bolts and spikes, with the Tennessee Company getting some of the business. The rail mill of the Ensley steel mills has been putting in steady efforts and the tonnage figures for July were most satisfactory. Prospects are bright for railroad needs, rails and accessories, etc. One railroad is to build an extension of 146 miles during the next 24 months and other development is anticipated which will call for rail, etc. The fabricating plants are still busy on contracts from Florida for structural steel, and the steel concrete bar makers have many specifications in hand and in sight. Reports received are to the effect that several big buildings are being planned, and inasmuch as the developments in the neighboring state are being put through rapidly, the contracts for steel call for early delivery. Steel prices are indicating an upward trend.

Within a short time after the departure of Judge E. H. Gary, chairman of the board and finance committee of the United States Steel Corporation, on the close of his third recent visit to the district, reports became current of proposed development here, these reports including two or more blast furnaces, four additional open-hearth furnaces, conveying system from coal mines to by-product coke plant, addition to the big by-product coke plant and a great recreation center for employees. In addition the erection of a large number of modern homes for employees was also predicted.

The coal-mining trade in Alabama is still showing a better feeling. Production is up around 350,000 tons the week. In September the shipment of coal from this district will be under way to points in Louisiana replacing oil as fuel.

The coke market is about the same as for several weeks, the independent producers selling their make right along. Quotations have been the same for several months, \$4.50 to \$5 per ton, foundry coke,

The scrap iron and steel market is somewhat better, although no changes are announced in the quotations. There is a little better demand for the product; in fact, almost all kinds of old material are being bought. Dealers have declined long-time contracts, expecting better prices.

The first unit of the Reeves Bros., Inc., steel plate fabrication plant, manufacturing tanks and tank cars, will be in operation by August 10. This concern moves to the Birmingham district from Alliance, Ohio, and when in full operation will use considerable steel.

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$18.50 to \$19.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$19.00 to \$20.00; iron of 2.75 to 3.25 per cent silicon, \$19.50 to \$20.50; iron of 3.25 to 3.75 per cent silicon, \$20.00 to \$21.00; iron of 3.75 to 4.25 per cent silicon, \$20.50 to \$21.50; charcoal iron, f. o. b. furnace, \$30.00 to \$32.00.

OLD MATERIAL.

Old steel axles	\$16.00 to \$17.00
Old iron axles	16.00 to 17.00
Old steel rails	13.00 to 14.00
Heavy melting steel	13.00 to 14.00
No. 1 cast	16.00 to 16.50
Stove plate	13.00 to 13.50
No. 1 railroad wrought	12.00 to 13.00
Old car wheels	15.00 to 16.00
Old tramcar wheels	16.00 to 16.50
Machine shop turnings	7.00 to 8.00
Cast-iron borings	7.00 to 8.00
Cast-iron borings (Chem.)	15.00 to 16.00

To Build 70-Mile Power Line.

Menard, Texas, August 1—[Special.]—An extension of the electric-power system of the West Texas Utilities Co. from Ballinger to Menard, about 70 miles, will be made as a result of the company's purchase of the plant of the Menard Light & Power Co. It is stated that the power line and other improvements, to cost \$150,000, will run via Paint Rock and Eden.

RAILROADS

\$25,000,000 FOR SEABOARD'S PLANS.

Florida Extensions Projected Will Require a Total of 217 Miles of New Construction.

Negotiations were closed with Dillon, Read & Co., bankers, New York, together with Ladenburg, Thalmann & Co. and Kissell, Kinnicutt & Co., last week for the sale of \$25,000,000 of first mortgage 6 per cent ten-year bonds of the Seaboard-All Florida Railway Co., the proceeds of which, it is stated, will be used to retire the \$7,000,000 of 7 per cent bonds of the Florida Western & Northern Railroad, which is the name of the Seaboard Air Line's extension to West Palm Beach, and also to pay for the construction of extensions of the Seaboard system in Florida, as well as for betterments demanded by the great increase of traffic in that state. It is further stated that all of the bonds were sold within an hour.

Announcement of the organization of the Seaboard-All Florida Railway Co. was made early in June when notice was given of its application for charter at Tallahassee, and the extensions in view (in addition to the recently proposed extension of 68 miles to Miami) include a possible connection of about 80 miles from near Avon Park, on the West Palm Beach extension southwest to Fort Myers, Fla.; another connection from either Arcadia, Fort Ogden or Venice, Fla., to Fort Myers; also a short line of about 15 miles to make a connection that would link up Fort Myers with Naples, Fla. At the time of the organization of this new company it was announced that while its capital stock is only nominal, being but \$5000—all held by the Seaboard Air Line—it is authorized to contract indebtedness to the amount of \$25,000,000—hence the large bond issue, which is subject to the approval of the Interstate Commerce Commission. By retiring the 7 per cent bonds issued last year, the interest charge against the extension to West Palm Beach will be reduced to 6 per cent.

A statement from S. Davies Warfield, president of the Seaboard Air Line Railway Co., says:

"In addition to the purpose stated, the proposed new issue will provide for the extension of the main line cross-state coast to coast from West Palm Beach to Miami and other important east coast points, and also the extension of the Seaboard's main line system through subsidiary lines to Fort Myers and other important west coast points, south and east thereof, 217 miles of new construction; 468 total mileage involved, including the Florida Western & Northern Railroad. Through the extension of the cross-Florida railroad to Miami and other points on the east coast, and to Fort Myers and other points and the extension of the Seaboard's west coast line from Brooksville to Inverness, an additional mileage of 22 miles, the Seaboard Air Line Railway will be in position to take care of the very heavy increase in its business, both freight and passenger. The vigorous public demand made upon the Seaboard by Miami and other east coast points, by Fort Myers and south Florida generally, to extend lines to this territory, could not be ignored, and in line with the Seaboard's progressive constructive policy it was believed that the public necessities demanded these extensions of the Seaboard system."

A second statement from Mr. Warfield says that as rights of way have been assured for the purpose, the Seaboard will further extend its proposed line, going beyond Miami to Homestead and Florida City.

The bonds which it is proposed to issue will, it is further stated, be guaranteed as to both principal and interest by the Seaboard Air Line Railway Co.

LARGEST LOCOMOTIVES IN THE WORLD. Virginian Railway to Begin Operation of Electrified Line Early This Month.

Continuing in its position as a leader in the use of engines and cars of great capacity which it assumed several years ago when it built the first 120-ton coal cars and the great steam locomotives of the same class as the 802, both of which were illustrated in the MANUFACTURERS RECORD's special edition, "The South's Development," the Virginian Railway took another forward step in the lead for motive-power units of greater capacity than any which were hitherto known when it ordered the huge electric locomotives of the 100 class, the first of which it has received from the builders and which has a maximum tractive force of 277,500 pounds, as compared with the 176,000 pounds maximum of the 802 class engines, which until this new railroad giant made its appearance were the largest railroad engines in the world. There will be twelve of these electric locomotives, and each is built in three distinct parts or units that are coupled together and constitute one locomotive, under the control of one engineman.

The first of these three-unit electric locomotives, which are being built by the American Locomotive Company and the Westinghouse Electric & Manufacturing Co. for the Virginian Railway, was received recently and was immediately sent to Princeton, W. Va., where arrangements were made for giving it the necessary try-outs before being placed in regular service. This locomotive, the largest and most powerful ever built, is the forerunner of twelve similar locomotives, the remainder of which are in various stages of completion at the works of the manufacturers. Of the thirty-six units which go to make up these twelve locomotives, three are on the Virginian Railway's line and five are now completely equipped and on the test track of the Westinghouse Company at East Pittsburgh, Pa. The remaining twenty-eight units are expected to be ready for test at the rate of about four a month.

Work on electrifying the 135 miles of line, involving 231 miles of track, between Mullens and Roanoke, has been keeping pace with the progress on the locomotives. The power plant, located on New River at Narrows, Va., about 75 miles west of Roanoke, is fast nearing completion, and the equipment is partly in operation at the present time. Of the five 1521-horsepower boilers, which are fired with pulverized coal burners, No. 1 has been in operation for about two months and it now shut down to allow No. 2 to carry a small load incident to the testing of lines, transformer stations and the single locomotive on the line. The plant is arranged for five turbo-generators, each with a continuous capacity of 12,500 kilowatts, four of which are being installed at present and

two of which have already been tested out and placed in service. Although there is some miscellaneous work left to be done around the power house, the work has been so arranged that both the power house and the step-up transformer station, which raises the voltage up to the 88,000 volts of the transmission line, are now ready for carrying the load for operation of the first locomotives to arrive.

As the western end of the electrified section contains the heaviest grades, it was decided to concentrate on this section and place the first locomotives in service on Clarks Gap Hill, extending the service eastward as more locomotives arrive. With this idea in view, the transmission line from Narrows to the westernmost transformer station at Elmore (41.45 miles) has been completed and tested out and is now ready to carry a load. East of the power plant there are 40.83 miles of transmission line, and throughout this section the erection of the steel towers is practically complete and wires are strung to within about 10.5 miles of the eastern end of Wabun.

The situation as regards the transformer stations is about the same. Including the one at Narrows, there are four main transformer stations west of the power plant, used for stepping the voltage down from 88,000 volts to the 11,000 volts of the trolley and the 22,000 volts of the balancing wire. These are located in Elmore, Algonquin, Princeton and Narrows, and are practically complete and can be thrown into use on short notice. In this section there are also three auxiliary transformer stations using auto transformers connected between the trolley, the track and the balancing wire, and two of these, at Herndon and Rock, are now ready for operation, and the third, at Kelleysville, is nearly complete. East of Narrows the work on the transformer stations is in various stages of completion, from having all foundations and steel erected and about 11 per cent of the equipment installed at Eggleston to having only the grading completed at Wabun.

The catenary work has been practically completed for 39 miles, from Mullens at the west end to Oney Gap, just east of Princeton, and poles have been erected for 35 miles farther east. The erection of cross-catenary and brackets is only about 10 miles behind the erection of the poles, but the stringing of messenger and trolley wires has not extended beyond Oney Gap.

Extensive repair and inspection facilities are being provided for the electric locomotives at the western end, at Mullens, and this work is being pushed to the utmost to have it completed in August. The buildings are now practically complete and the work has progressed to where minor inspections can be made when the locomotives start revenue operation.

It is planned to operate from Mullens to the top of the



FIRST OF THE VIRGINIAN RAILWAY'S GREAT ELECTRIC LOCOMOTIVES,

grade at Clarks Gap with one road locomotive and one pusher on a 6000-ton coal train. This is the heaviest grade on the line and will be the scene of the initial electric operation. As this requires two locomotives, such operation will not be started until the second locomotive arrives, which is expected to be in the early part of August. Following this initial operation, the service will be extended to more trains and to cover additional sections as the completed locomotives are received.

The Rapidly Swelling Movement of Freight.

Loading of revenue freight on the railroads during the week ended July 18 totaled 1,010,970 cars, according to the Car Service Division of the American Railway Association, this being an increase of more than 28,000 cars as compared with the next preceding week. It was also an increase of over 80,000 cars as compared with the corresponding week of last year. Although the current loadings reported were more than 1,000,000 cars for the week, they were handled without any transportation difficulties or car shortages, the railroads now having over 300,000 surplus freight cars in good order and about 6600 surplus locomotives. Since January 1 more than 27,155,000 cars have been loaded with revenue freight, as compared with something over 25,783,000 cars for the same period of last year.

A New Railroad Maintenance Machine.

The Ursino machine, according to a report from New York city, will soon be placed on the market to do a variety of railroad maintenance work, such as trimming and surfacing new ballast, cleaning and resurfacing old ballast without moving tracks, and also trimming up the ballast on each side of the tracks. It is claimed that the machine can do its work faster and cheaper than men. The American Railway Surfacing Machine Corporation, 25 Broadway, New York, will sell the machine, which will be built for them by the American Locomotive Co. A description says it is about the size of a large box car. It is mounted on regular car wheels and its weight is about 35 tons. It is moved about by a locomotive, either alone or in connection with a work train. It is stated that the inventor of the machine is Pasquale Ursino, an Italian, who has been for a long time with the maintenance of way department of the Chicago, Milwaukee & St. Paul Railway.

New Equipment.

Missouri-Kansas-Texas Railway is in the market for 1000 box cars of 50 tons capacity.

Missouri Pacific system is reported contemplating purchase of passenger equipment for 10 complete express trains to run between St. Louis and San Francisco.

Fisher-Hurd Lumber Co., Memphis, Tenn., has ordered 40 logging cars from the American Car & Foundry Co.

Tennessee Machinery Exchange, Knoxville, Tenn., is reported in the market for a narrow-gauge Shay type locomotive of from 35 to 45 tons.

Missouri Portland Cement Co., St. Louis, has ordered 10 steel hopper cars of 50 tons capacity from the American Car & Foundry Co.

Santa Fe Seeking to Buy a Short Line.

*Seymour, Texas, August 1—[Special.]—Ben Cain, general counsel for the Gulf, Texas & Western Railroad, is authority for the statement that the Santa Fe system is negotiating for the purchase of the road, to be used as a connection. The Gulf, Texas & Western runs between Seymour and Salesville, Texas, 100 miles. It could be used as a connecting link which the Atchison wants from a point on its system in the South Plains region to Fort Worth.

AMAZING SUMMER RUSH TO FLORIDA.

Two Trunk Lines Putting On Extra Trains to Carry the Hosts of Visitors.

The astounding movement of people to Florida has grown so heavy that the railroads, finding it impossible to handle the enormous volume of traffic with extra cars on regular trains, are restoring winter flyers in midsummer.

The Everglades Limited, an Atlantic Coast Line train heretofore operated during the winter season only, will be placed in service August 10, and traffic officials declare there is every indication that other winter trains may have to be put on anywhere from 30 to 60 days ahead of the usual time.

To handle the heavy movement between Jacksonville and points down toward Miami the Florida East Coast Railway placed another big train in service August 1. It will be known as the East Coast Limited, will operate between Jacksonville and Miami in daylight hours and will make the run three hours quicker than any train heretofore. The system attempted to handle the traffic this summer by lengthening the regular trains, but after eight or ten weeks' operation of trains, with from 15 to 20 cars each, and with a continues increase in the movement, it was deemed advisable to establish the new train.

All railroads serving Florida report remarkable increases in passenger traffic, the figures for some of the roads showing a movement as much as 250 per cent greater than last summer. Besides, the steamship companies operating vessels from North Atlantic ports to Jacksonville are sending their ships south loaded to capacity.

Thousands of people are also entering Florida by automobile, and checking points on the main highways report an average of from 30 to 50 southbound cars with license plates of other states every hour between sunrise and sunset.

Throughout Florida the hotels are crowded with homeseekers, prospectors and tourists, and in several of the South Florida resort centers winter hotels have been opened in order to care for the throngs.

Florida for the first time in its history is neglecting the job of attempting to induce tourists to visit the state. The uppermost question this summer is what can be done this winter to accommodate the hundreds of thousands who will be here. Chambers of Commerce are working on the problem in co-operation with municipal officials, and many towns and cities now are engaged in taking a census of available sleeping quarters and checking new construction to ascertain how many more rooms will be available by fall.

Construction of hotels, apartment houses and homes is proceeding on an enormous scale throughout the state, and the movement of building material and other freight on the railroads is so heavy that extra freight trains almost outnumber the regular trains of that class. The railroads report that the freight movement into Tampa is equal in volume to that of a city of 400,000 population, yet Tampa's population is only about 130,000.

Southern Railway's New Yard in Florida.

The Southern Railway has opened a new freight-classification yard at Grand Crossing, four miles north of Jacksonville, Fla., to facilitate the fast-growing traffic to and from points in that state. This new yard eliminates a ten-mile haul, as freight trains were formerly broken up at Springfield yard and then deliveries for connecting lines were hauled back to Grand Crossing. Thus two or three hours are saved on each car for a connecting line or from a connecting line. The Grand Crossing yard has been increased to a capacity of 650 cars; a new water station with 96,000-gallon tank and other buildings have been erected.

GOOD ROADS AND STREETS

Fellowships Offered in Highway Courses.

The Board of Regents of the University of Michigan announce that they will award the following fellowships not later than November 1, 1925, and several about September 1 to men who intend to be in residence during the first semester:

Two Detroit Edison fellowships in highway engineering, which are offered to provide for the investigation of approved subjects relative to moderate cost country roads.

The National Slag Association fellowship in highway engineering, to provide for investigation of the utilization of blast-furnace slag in the construction and maintenance of roads and pavements.

The Reo Motor Car Company fellowship in highway transport, to provide for investigation of the economic utilization and operation of motorbuses.

The Roy D. Chapin fellowship in highway transport, to provide for investigation of an approved subject relative to highway transport.

The Roy D. Chapin fellowship in highway engineering, to provide for investigation of an approved subject relative to hard-surfaced roads and pavements.

The United Fuel and Supply Company fellowship in highway engineering, to provide for investigation of efficient methods of sampling gravel.

Each fellowship pays \$250, with an allowance of \$50 for expenses, and fellows do not have to pay tuition fees. Applications for fellowships and requests for information pertaining to the 27 advanced professional courses in highway engineering and highway transport offered by the Graduate School should be sent to Prof. Arthur H. Blanchard, 1026 East Engineering Building, University of Michigan, Ann Arbor, Mich.

During the period of December, 1925, to March, 1926, inclusive, the University of Michigan will offer 21 professional short-period courses in highway engineering and highway transport.

Seminole County Asks Bids.

Sanford, Fla.—Sealed proposals will be received until August 10 by Seminole County Commissioners, at the courthouse in this city, for the following work: Earth fills along the south shore of Lake Monroe, from Lake Monroe highway bridge easterly, $1\frac{1}{2}$ miles, 260,000 cubic yards; approach to drawbridge over St. Johns River, 18,700 cubic yards; on the Geneva road across St. Johns River flats, 81,300 cubic yards; for the construction of three creosoted timber bridges having a total length of approximately 400 feet, and for the erection of protection fenders for the old drawbridge.

Plans and specifications may be seen at the office of the commissioners or at the office of Fred T. Williams, engineer, after July 25, or may be secured from Mr. Williams.

Bids Wanted on \$760,000 of Roads Bonds.

Sanford, Fla.—Bids will be received until August 10 by the Seminole County Board of Commissioners, at its office in this city, for the purchase of \$700,000 of highway improvement bonds to bear an interest rate of $5\frac{1}{2}$ per cent. Proposals may be submitted in the alternative as to the rate of interest the bonds shall bear, alternative bids to be based on a rate of interest less than $5\frac{1}{2}$ per cent.

\$700,000 for Mason County Roads.

Maysville, Ky.—A bond issue of \$350,000 has been voted by Mason county, to supplement a similar amount from the state, for rebuilding and hard-surfacing roads in the county. Surveys have already been made for the proposed improvements and work will begin at once. Upon completion the roads will be turned over to the state for maintenance.

Lowest Bids on 30 Miles Total \$178,000.

Baton Rouge, La.—Lowest bids recently submitted to the Louisiana Highway Commission for the construction of three road projects in the northern part of the state, covering a total of 30 miles, aggregated \$178,179. A bid of \$73,116 was presented by the Alexandria Construction Co., Alexandria, La., for building 12.27 miles of the Mansfield-Texas road in De Soto parish, while Bolton Latimer of Garrison, Texas, submitted a bid of \$52,086 for building a section of 6.73 miles of the same highway. W. D. Harvey & Co., Jonesboro, La., submitted the lowest bid at \$52,977 for building an 11-mile section of the Minden-Springhill highway in Webster parish.

Lake County to Build 250 Miles.

Tavares, Fla.—A preliminary survey has been made for a 250-mile road system in Lake county, to include 220 miles of asphalt roads, 20 miles of clay roads and two bridges; construction contracts are expected to be awarded within a few weeks. The county has recently sold bonds in the amount of \$3,435,000 at a price of \$3,389,265, these funds to be applied to building costs.

In addition to the building program, it is stated that state and Federal roads to cost nearly \$2,000,000 have been planned for construction in Lake county this year. This will give the county a total of approximately 350 miles of hard-surfaced roads at a total outlay of about \$5,400,000.

Tennessee to Award 15 Highway Projects.

Nashville, Tenn.—Contracts will soon be awarded by the State Highway Commissioner for 15 road and bridge projects, the work to embrace a total of approximately 87 miles of road work and a number of bridges. Road construction will include 26.73 miles of grading and drainage, 7.17 miles of bituminous macadam, 15.65 miles of concrete, 10.34 miles of bituminous concrete, 12.64 miles of gravel surface, and hauling and dumping gravel on 14.75 miles. The most important bridge project covers the construction of a concrete overhead bridge, 231 feet long, over the Louisville & Nashville Railroad near Ridley.

Bids for Base Course Construction.

Gainesville, Fla.—Proposals will be received until August 18 by the board of Bond Trustees of Special Road and Bridge District No. 1 for base course construction, embracing 332,000 square yards of new work and 225,000 square yards of reconstruction. Plans and specifications may be obtained from Henry L. Baker, district engineer, Gainesville.

Paving for Fort Lauderdale to Cost \$1,040,000.

Fort Lauderdale, Fla.—A street-paving program to cost \$1,040,000 has been adopted by the City Council of Fort Lauderdale and the city engineer has been instructed to advertise for construction bids to cover paving on 30 streets, including the repaving of all streets in the business section.

To Vote on \$1,500,000 of Bonds.

Haskell, Texas.—An election will be held in Haskell county on August 15 on a bond issue of \$1,500,000 for the construction of roads. In the event of a favorable vote, the county will soon invite bids for the purchase of \$1,380,000 of the issue. Jesse G. Foster of Haskell is the county judge.

The Simons-Mayrant Co., Charleston, S. C., has been awarded contract at \$160,259 for building 3.40 miles of sheet asphalt road on state route No. 2.

TEXTILE

Additional Contracts for Yarbrough Mills.

Durham, N. C.—In addition to the general contract for the erection of a mill building, awarded several weeks ago to N. Underwood of Durham, other contracts have been awarded by the Yarbrough Mills, Inc., as follows: Sprinkler system, Rockwood Sprinkler Co., Chicago; humidifiers, American Moistening Co., and preparatory machinery, Saco-Lowell Shops, both of Boston; wiring, Huntington & Guerry, Greenville, S. C.; looms, Crompton & Knowles, and finishing machinery, Curtis & Marble Machine Co., both of Worcester, Mass.

The mill building will be of brick to the windows, with steel sash, full daylight construction, monitor top and concrete foundation. Machinery will be electrically driven, with individual motors for each loom. The plant will be ready for operation about October 1.

To Issue \$5,000,000 of Preferred Stock.

Macon, Ga., August 1—[Special.]—Stockholders of the Bibb Manufacturing Co. at a recent meeting accepted the new charter amendment approved by directors of the company and adopted a resolution authorizing the issuance of \$5,000,000 preferred stock. This will be issued as a stock dividend to holders of common stock, each holder of two shares of common stock to receive one share of preferred.

Under the original charter \$10,000,000 has been issued in common stock and \$800,000 in preferred stock. W. D. Anderson is president of the company.

Textile Company With \$50,000 Capital.

Andalusia, Ala.—Textile interests here are organizing the Brown Manufacturing Co., to be capitalized at \$50,000 with from \$25,000 to \$30,000 paid in, for manufacturing athletic underwear. The new company plans to purchase and put into operation immediately from 50 to 75 machines. Its officers include L. E. Brown, president; H. J. Law, vice-president, and G. W. Ethridge, secretary and treasurer.

New Knitting Mill to Begin Operations.

Huntsville, Ala.—Plans have been made by the Erwin Manufacturing Co., a new enterprise incorporated with a capital stock of \$50,000, to begin at once the operation of its knitting mill here, which is now being equipped. Officers of the company include J. F. Chambers, president; Robert E. McDonald, vice-president, and L. O. Erwin, secretary, treasurer and general manager.

Cotton Shipments and Stocks.

Exports of cotton for the week ending July 31 amounted to 72,704 bales, as compared with 41,847 bales last week and 55,301 for the corresponding week in 1924. Exports of cotton for the year, from August 1, 1924, to July 31, 1925, amounted to 8,081,000 bales (preliminary estimates), as compared with 5,800,000 bales for the corresponding period last season.

YEAR'S COTTON MOVEMENT FROM AUGUST 1, 1924, TO JULY 31, 1925, WITH COMPARISONS.

	1925 Bales	1924 bales
Port receipts	9,193,000	6,743,000
Port stocks	211,000	223,000
Interior receipts	10,178,000	7,302,000
Interior stocks	161,000	183,000
Into sight	*	*
Northern spinners' takings	*	*
Southern spinners' takings	*	*
World's visible supply of American cotton	1,113,000	933,000

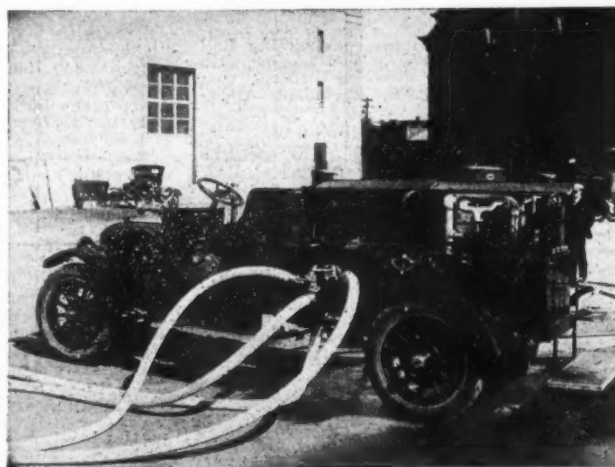
*Not available.

MECHANICAL

Inexpensive Motor Booster Pump.

The usual motor pumper is a highly expensive piece of apparatus, due in part to the special chassis employed and in part to the use of a multi-stage centrifugal or rotary pump, as required to match ordinary automobile engine speeds. A single-stage pump, however, weighs less and is simpler in construction and for that reason more reliable, and both the Associated Factory Mutual Fire Insurance Companies and the Underwriters' Laboratories of Chicago have approved the single-stage centrifugal pump as built by the De Laval Steam Turbine Co. of Trenton, N. J., for fire service. A single-stage pump of the capacity required for fire streams can easily develop 100 pounds pressure when driven by a standard gasoline engine of the sturdy marine type.

The unit shown in the accompanying photograph is designed to deliver 600 gallons per minute against 100 pounds per



GASOLINE MOTOR PUMP FOR FIRE SERVICE.

square inch when driven at 1750 revolutions per minute—that is, where water is taken from the mains under pressure, 100 pounds is added to the pressure in the mains. The pump has a large overload capacity and has pumped as much as 1250 gallons per minute. The unit consists of a De Laval five-inch single-stage pump with gasoline engine mounted upon a one-ton truck chassis. The two 1½-inch fire nozzles are discharging under a total pressure of 130 pounds. This particular unit was assembled by Chief Christy of the Pueblo (Col.) Fire Department for use in outlying sections of the city, and was built for approximately half the cost of a regular pumper.

Contract for \$430,000 Unit of \$1,500,000 Home.

Louisville, Ky.—Contracts aggregating approximately \$430,000 have been awarded to local contractors by Kosair Temple, Nobles of the Mystic Shrine, for the first unit of the widows and orphans' home to be erected here at an ultimate cost of \$1,500,000. Structures in this unit will include a school, dining hall and industrial building. General contract was awarded to Platoff & Bush at \$365,393; plumbing for school and industrial building and temporary water connection to Haller & Zehnder, \$6229; plumbing for dining hall, Peter H. Meyer Co., \$5901; steam heat for all buildings, H. Netherton & Co., \$35,009, and lighting equipment for all buildings to the Wilhelm & Schnur Electrical Co. at \$18,093. The Henry Bickel Co., also of Louisville, was awarded a contract for road construction. Joseph & Joseph of Louisville are the architects.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Airplane Plants, Stations, Etc.

Ga., Atlanta—W. B. Hartsfield, Chmn. of Committee, Grant Bldg., interested in erection of airplane hangar at Candler field, capacity about eight average size machines; W. A. Hansell, Chief of Construction, 394 Woodland Ave.

Bridges, Culverts and Viaducts

Fla., Fort Pierce—City Comm. will receive bids soon for 2 bridges: North Fourth and North Second St.*

Ga., Atlanta—City plans constructing Bell St. underpass, connecting south side with Decatur St.; replace wooden bridge; cost \$125,000. Address W. B. Hartsfield, Alderman.

Ga., Atlanta—City plans building 2 viaducts over railroad tracks on Pryor St. and Central Ave.; estimated cost \$2,000,000; Walter A. Sims, Mayor.*

Ga., Elberton—Elbert County plans building bridge across Savannah River, at Sander's Ferry, 6 mi. from Iva, S. C., connecting Elbert and Anderson Counties, approximate cost \$70,000; votes Aug. 26 on bonds. Address County Commrs.*

Ky., Russell—Chesapeake & Ohio Ry. Co., 825 E. Main St., C. W. Johns, Ch. Engr., Richmond, Va., let contract to Haley, Chisholm & Morris, Charlottesville, Va., at about \$60,000, for reinforced concrete underpass under Ferry St.

La., Bastrop—Morehouse Parish Police Jury, J. W. Brodnax, Pres., let contract to Vincennes Bridge Co., Vincennes, Ind., at \$27,700, for 2 bridges over Bayou Bartholomew; Ward's Ferry, 374 ft. creosoted timber approaches and 100 ft. steel span. Vester Ferry, 459 ft. creosoted timber approaches and 100 ft. steel span.*

Md., Centerville—Queen Annes County Commrs. plan bridge over Island Creek, tributary of Southeast Creek.

Missouri—State Highway Dept., Jefferson City, will repair 2 bridges. See Road and Street Construction.

Mo., Springfield—City plans 2 viaducts over railway tracks on Jordan Valley and subway under Frisco tracks on National Ave., north of Commerce St.; contemplates bond election; Geo. W. Culler, City Engr.

Mo., St. Louis—Board of Public Service receives bids Aug. 11 for Broadway Bridge over River Des Peres; plans on file.

North Carolina—See Road and Street Construction.

Okla., Oklahoma City—City, Warren E. Moore, Commr. of Public Works, let contract to Kansas City Bridge Co., Orear-Leslie Bldg., Kansas City, Mo., at \$13,735.

Oklahoma—State Highway Comm., Oklahoma City, will repair bridge. See Road and Street Construction.

South Carolina—See Road and Street Construction.

S. C., Greenwood—Greenwood County plans one culvert and 4 bridges. See Road and Street Construction.

S. C., Manning—State Highway Dept., Columbia, receives bids Sept. 1 for Santee River Bridge and approaches on State Route No. 30, between Clarendon and Orangeburg Counties, 9620 ft. bridge and embankment, including one 168-ft. and two 150-ft. steel trusses on concrete piers; substructure, superstructure, timber trestle and earth fill; plans from Samuel McGowan, Ch. Highway Engr.

Tennessee—Department of Highway and Public Works receives bids Aug. 28 for 3 bridges: Maury County, cement concrete overhead structure over L. & N. R. R., near Ridley, on State Highway No. 6, six 24-ft.

and one 40-ft. span; Dyer and Lauderdale Counties, 51 mi. bridge and approaches over South Fork of Forked Deer River; State Highway No. 3, fifty-one 26-ft. and one 100-ft. spans; Montgomery County, cement concrete underpass under Tennessee Central R. R.; State Highway No. 13, near Clarks-ville, 33-ft. cement concrete deck girder span on three cement concrete post bents.

Tennessee—State Highway Comm., Nashville, will build 12 bridges. See Road and Street Construction.

Tenn., Knoxville—City plans \$750,000 bridge over Tennessee River at Locust St. Address City Clerk.

Tex., Austin—Travis County will build 6 bridges. See Road and Street Construction.

Tex., LaGrange—Fayette County Commrs. Court plans building 185-ft. reinforced concrete bridge over Pin Oak Creek; estimated cost \$10,500.

Tex., New Braunfels—City Comm. receives bids about Sept. 30 for reinforced concrete arch bridge, five 60-ft. spans, approximate cost \$40,000; Terrell Bartlett Engineers, 621 Calcasieu Bldg., San Antonio.*

Tex., San Antonio—City, Fred Fries, Clk., let contract to Pryor & Jeffrey, at \$7800, for Buena Vista St. bridge across Alazan Creek.*

Va., Hopewell—City and Norfolk & Western Ry., W. P. Wiltsee, Ch. Engr., Roanoke, plans steel bridge across tracks at Bridge St., between Stuart and Ramsey Ave.; replace wooden structure. Address City Clk.

Canning and Packing Plants

Fla., Lake Wales—Hills Bros., 375 Washington St., New York, has site, will erect grapefruit canning plant.

Tex., Carrizo Springs—W. H. Shaw will erect cooling plant and packing shed.

Clayworking Plants

Ga., Columbus—Dixie Brick Co., J. E. Minter, Gen. Mgr., 1019 Broad St., is having plans prepared for brick plant addition at Dixieland, Ala., daily output 100,000 brick; construct \$50,000 new kilns, dryers, install \$20,000 equipment; The Minter System, Constr. Engr., 918 Broad St. (See Machinery Wanted—Rails.)*

Coal Mines and Coke Ovens

Ky., Madisonville—Carter Coal Corp., capital \$30,000, chartered; Jewell Avis, Coleman L. Jones.

Ky., WallSEND—WallSEND Coal Co. of Delaware acquired property of old WallSEND Coal Co.; will expend approximately \$60,000 on improvements, including coaling station, for L. and N. R. R. Co. miners' houses, etc.; work in charge of J. D. Roper.

Tenn., Knoxville—Bible Fuel Co., incorporated; L. A. Bible, C. L. Peterson.

W. Va., Charleston—Wolf Summit Coal Co., main office, Philadelphia, Pa., increased capital, \$750,000 to \$1,500,000.

Concrete and Cement Plants

Fla., St. Petersburg—Carpenter Concrete Products Co., Box 2222, enlarging plant, construction by owners.*

Fla., Tampa—Super Concrete Supply Co., capital \$10,000, incorporated; L. N. Dantzler, Sr., Wm. Dean Ham.

Ga., Thomasville—Thomasville Concrete Pipe Co., organized; W. B. Cochran, W. F. Scott; have taken over plant of the Dawes Construction Supply Co., manufacture concrete pipe.

S. C., Greenville—C. R. Johnson of Anderson and T. C. Kieth organized company to

manufacture concrete sewer and culvert pipes.

Tex., Ballinger—Charles Gehmann of Fredricksburg, reported, establish plant to manufacture cement, acquired site.

Tex., Hudnall—Shearman Concrete Products Co., 2400 E. Third St., Little Rock, Ark., reported, begun construction of plant, erect five kilns, has 5-acre site.

Cotton Compress and Gins

Ark., Little Rock—Federal Warehouse Co., capital \$11,000,000, K. L. Taylor, Pres., Falls Bldg., Memphis, Tenn., formed by merger of plants in Arkansas, Mississippi, Missouri, Texas, Tennessee, Louisiana and Oklahoma.

Ga., Augusta—Southern Compress Co., Thomas Glenn, Pres., acquired warehouse holdings of Hardeman & Phinizy, Athens.

Okla., Shady Point—Mixon & Phillips, Watt Phillips, Mgr., will rebuild burned plant; concrete foundation and floor, sheet iron walls, metal roof; will install 4-80 saw stand electric power plant; Sullet Gin Co. and Continental Gin Co., 3315 Elm St., equipment contrs., both Dallas.*

Tenn., Paris—Jno. T. Currier Cotton Co. let contract to Z. W. Vaughn, for construction of 3 stand 80 saw gin, capacity 36 bales daily.

Tenn., Taft—Taft Gin Co., incorporated; D. M. Sanders, J. A. Jones.

Tex., El Reno—El Reno Cotton Gin Co., capital \$15,000, incorporated; J. A. McCurley, El Reno; A. R. Garnett, Elk City.

Tex., Hughes—See Ice and Cold Storage Plants.

Tex., Lubbock—M. G. Williams and H. H. Womack will erect cotton gin at Hurlwood.

Drainage, Dredging and Irrigation

Fla., Boca Raton—Boca Raton Dredging Co. has contract for all dredging and improvement on Lake and Canal for Villa Rica.

Fla., Deland—See Miscellaneous Construction.

Fla., Orlando—Orange County Commrs. interested in organizing West Orange Navigation Dist.; contemplate inland waterway from St. Johns River through Lake, Orange and Osceola Counties; Wilbur Tilden, Judge.

Fla., Sarasota—See Land Development.

Ga., Waycross—Westview Drainage Dist. Board, Seymour Phelps, contemplate drainage system reclaiming several thousand acres land; Will D. Alexander, Engr., 319 W. Fifth St., Charlotte, N. C.

Ky., Greenville—Levee—Muhlenberg County Commrs. let contract to J. C. Richey, H. A. Cohen and R. Richey for construction of Pond river levee, extending from Hanner's bridge right of way, about 2900 ft. in length.

La., Alexandria—Louisiana Gravity Canal Co., Inc., Welman Bradford, Pres., plans hydro-electric, gravity canal and irrigation project for central and southwest Louisiana; project Indorsed by Evangeline Parish Police Jury.*

La., New Orleans—U. S. Engineer Office, 140 Decatur St., receives bids Aug. 14 for work in Babin levee. (See Machinery Wanted—Earthwork.)

Miss., Indianola—Short Bayou Drainage Dist. Commrs. let contract to A. J. Harty & Co., Greenville, Miss., at \$31,000, for drainage system, reclaiming about 3000 acres land.

Okla., Okemah—Okfuskee County Commrs., reported, contemplate bond issue of \$1,000,000 for reclamation purposes and flood control of North Canadian and Deep Fork rivers; Ben Harrison, County Agent.

Tex., Brownsville—Cameron County, Oscar

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

C. Dancy, Judge, votes Aug. 18 on \$1,500,000 bonds for flood prevention control.*

Tex., Cotulla—La Salle County Water Improvement Dist. No. 1 votes Sept. 15 on \$5,000,000 bonds for irrigation project; work includes construction of reservoir on Nueces River; will impound half million-acre dam of earthen type, hydraulic fill, 70-ft. high, 2 mi. long; will supply gravity irrigation to more than 100,000 acres; project fostered by International-Great Northern R. R. Co.; Nagle, Witt, Rollins Engineering Co., Engrs., 104 Sante Fe Bldg., Dallas.*

Tex., Crystal City—William Bates has contract at \$116,925 for dams in Winter Garden Irrigation Dist., work consists of three dams on Nueces river and one on lake.

Electric Light and Power

Ala., Montgomery—See Land Development.

Ark., Gravette—City, E. L. Chatfield, Mayor, will install oil engine at water and light plant.*

Fla., Bradenton—Southern Utilities Co., Palatka, Florida, applied for 30 yr. franchise.

Fla., Daytona—See Land Development.

Fla., Groveland—Town Council let contract to Florida Public Service Co. to install white way lamps.

Fla., Kissimmee—See Land Development.

Fla., Melbourne—City will probably vote on bonds for installation of white way and improvement of city parks. Address the Mayor.

Fla., Miami—Florida Whiteway Illuminating Co., capital \$10,000, incorporated; Frank E. Filer, Chester A. Williams.

Fla., Miami—See Land Development.

Fla., Panama City—Econfinia Power Co., Ira L. Hutchinson, will erect \$500,000 hydroelectric plant on Econfinia Creek; 3000 kw.

Fla., Plant City—See Water Works.

Fla., Rock Harbor—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., Verna—See Water Works.

Fla., West Palm Beach—See Land Development.

Louisiana—Mississippi Power and Light Co., Jackson, Miss., H. C. Couch, Pres., reported to extend transmission lines into Louisiana; have acquired properties of Central Louisiana Power Co., serving towns of Hammond, Ponchatoula, Independence, Roseland, Kentwood and Amite, La., and Osyka, Miss.*

La., Alexandria—See Drainage, Dredging and Irrigation.

La., Jennings—Louisiana Electric Co. let contract to Thrall & Shea, Lake Charles, for building to contain two 300 h.p. unit; brick, steel and concrete; cost \$15,000.

La., Morgan City—Gannett, Sealy & Fleming, representing Louisiana Public Utilities, Inc., reported acquired Morgan City Electric Co.'s light and ice plant.

Mo., Cape Girardeau—Missouri Utilities Co., Illinois Merchants Bank Bldg., Chicago, Ill., Harry B. Newman, Mgr., let contract to Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa., for turbo-generator with capacity of 2500 kw.; cost \$50,000.*

Mo., Hemple—Hemple Electric Light and Power Co., incorporated; Beulah Herring, B. A. Boyer.

Mo., St. James—Ozark Public Service Co. acquired electric plant and franchise of Wenom Ice & Light Co.

Okla., Blackwell—Henry L. Doherty & Co., 60 Wall St., New York City, reported to have acquired plant of Lawrence County Water, Light and Cold Storage Co., operating in Aurora, Marionville and other Missouri communities.

Okla., Waurika—Southwestern Light and Power Co., 40 Exchange Place, New York City, granted 25-yr. franchise.*

S. C., Charleston—Mount Pleasant Lighting Co., capital \$10,000, incorporated; Samuel A. Guilds, W. F. Kutson.

S. C., Heath Springs—Heath Springs Light & Power Co., capital \$10,000, incorporated; F. Coke Bridges, S. E. Hinson.

Tenn., Hamburg—Mississippi Power Co., Gulfport, Miss., reported to have option on 800 acres of land for construction of dam.

Tenn., Morristown—E. G. Price and associates interested in construction of electric line.

Tenn., Pikeville—Sequatchie Valley Light

& Power Co., capital \$60,000, incorporated; Wm. G. Lusk, F. E. Tarvin.

Tex., Archer City—Wichita Falls Electric Co., 71 Broadway, New York, acquired municipal light and power plant.

Tex., Ballinger—West Texas Utilities Co., 72 West Adams St., Chicago, Ill., reported to extend transmission line to Paint Rock, Eden and Menard.

Tex., El Campo—El Campo Electric and Ice Co. reported to expend \$100,000 in improvements; construct transmission line to Louise, Canada and Edna.

Tex., Menard—West Texas Utilities Co., 72 West Adams St., Chicago, Ill., acquired Menard Light & Power Co.'s plant; will extend electric power system from Ballinger to Menard.

Tex., San Antonio—See Land Development.

Tex., San Antonio—Comal Power Co., subsidiary of the San Antonio Public Service Co., reported to acquire power plant and approximately 40 acres of land adjoining Landa's Park as site for \$3,000,000 power plant; Ed. H. Kifer, Vice-Pres., Terral Road.*

Tex., Taylor—Texas Power & Light Co., Interurban Bldg., Dallas, J. W. Carpenter, V.-P., has plans for extending high voltage transmission system from Taylor to Bastrop, Lockhart, San Marcos and other towns south of Colorado River; erect substations, rebuild distributing lines.*

Va., South Boston—Southside Virginia Power Co., capital \$300,000, incorporated; Ira Vaughn, Pres.; James F. Penrose, Sec., 240 W. Susquehanna St., both Philadelphia, Pa.; reported to construct hydro-electric plant on Meherrin River, Dan River and Staunton River.

W. Va., Kingwood—See Land Development.

Fertilizer Plants

N. C., Wilmington—David H. Scott, Inc., capital \$100,000, chartered; David H. Scott, 516 S. Third St.

Flour, Feed and Meal Mills

Ark., Fort Smith—Arkoma Milling & Storage Co. acquired and will operate Western Grain Co.'s plant.

Mo., Kansas City—Kansas Co-operative Grain Co., capital \$40,000, incorporated; L. I. Wilson, John Vesecky.

Tenn., Columbia—John B. Ashton, Columbia Machine Works and Feed Mill, will install feed mill.

Tenn., Nashville—Snell Milling Co., capital \$50,000, incorporated; F. J. Pemberton, J. J. Mulloy, 1508 Elmwood Ave.; leased building; manufacture self-rising flour.

Foundry and Machine Plants

Ala., Attalla—Walworth-Alabama Co., subsidiary of the Walworth Manufacturing Co., 142 High St., Boston, Mass., capital \$725,000, incorporated; J. F. Thornburg, Pres.; J. E. Aderhold, Sec., both Attalla; previously noted acquired plant of National Pipe & Foundry Co.; plans not completed for improvements.*

Ala., Birmingham—American Cast Iron Pipe Co., Acipco St., reported, having plans made for \$400,000 addition to pipe shop at Acipco, to manufacture centrifugally cast iron pipe of 4, 6, 8, 10 and 12 in.; daily output 500 tons.

Ala., Birmingham—American Radiator Co., main office Buffalo, N. Y., reported may enlarge plant in North Birmingham, double capacity; Frank J. Siler, local Mgr.

Md., Baltimore—Republic Boiler & Radiator Works, Union Ave., is erecting 1-story, 80x120 ft. brick addition; Olt Construction Co., Contr.

Mo., St. Louis—Furnaces, etc.—Bestcheit Manufacturing Co., incorporated; Fred W. Wack, 4983 Reber St.

N. C., Tarboro—Implements—Pender Manufacturing Co., capital \$100,000, incorporated; L. D. Pender, John R. Pender.

Tenn., Memphis—Plumbing Supplies—Standard Sanitary Manufacturing Co., Bessemer Bldg., Pittsburgh, Pa., reported, establish \$300,000 branch plant on Union Ave.

Tex., Dallas—Oil Well Machinery—Elms Machinery Co., Box 1479, incorporated; C. C. Hadley, Mgr.

Tex., Houston—Oil Well Tools—Reed Roller Bit Co., Mack St. and Ave. Q, reported, acquired by S. P. Farish, Humble Bldg., and M. W. Mattison, 1214 Miramer St., will re-organize and expand.

Tex., Houston—Dedman Foundry & Machin-

ery Co., 1518 Spring St., will erect \$16,000 factory building on Buffalo St., steel skeleton, asphalt composition roof.

Tex., San Antonio—Butchers Supplies—Friedrich Manufacturing Co., E. Commerce St., reported to erect \$60,000 addition to plant, 3-story, reinforced concrete and brick, stone trim; plans also include two 1-story store buildings; Harvey P. Smith, Archt., 116 W. Euclid St.

Tex., San Antonio—Krueger Machine Co., E. Houston St., acquired plant of the Stroud Motor Co.; will operate as manufacturing plant for oil well, irrigation, refrigeration machinery, etc.; plant includes foundry, machine shops and finishing dept.

Gas and Oil Enterprises

Ga., Valdosta—Valdosta Gas Co., organized by W. G. Eager, Eugene Eager, granted 30-yr. franchise.

La., Baton Rouge—Noble Oil Co., incorporated; James P. Noble, J. A. Coleman, Jr.

Miss., Hickory Flat—Standard Oil Co. of Louisiana, Baton Rouge, La., will erect tank.

Miss., Laurel—J. E. Stafford, 1456 Grace Ave., and associates, Cleveland, Ohio, have franchise; will construct gas mains.

Mo., Jefferson City—Sinclair Oil Co. will erect three 15,000 gal. gasoline tanks and 2 sheet iron buildings on Harrison St.

Mo., Joplin—Livingston Premier Oil Corp., capital \$100,000, incorporated; Will S. Livingston, Tulsa, Okla.; H. W. Blair, Court House Bldg., Joplin, Mo.

Mo., Joplin—Willholt Refining Co., Springfield, reported to expend \$150,000 for improvements to plant, including installation of pressure still with daily capacity 1000 bbls., four 2000 bbl. storage tanks, two 5000 bbl. storage tanks; two 150 H. P. boiler equipped with heat exchangers; power house, receiving house, pipe shop.*

Okla., Bartlesville—American Pipeline Co., Ottawa, Kan., let contract to Connor & Son Construction Co., 814 N. Y. Life Bldg., Kansas City, Mo., for 25 mi. natural gas pipe line in Elk and Wilson Counties.

N. C., Hickory—Blackwelder Oil Co., capital \$100,000, incorporated; J. B. Gibbs, B. B. Blackwelder.

Okla., Tulsa—Kellering Oil Co., capital \$25,000, incorporated; G. W. Kellering, Virgil W. Briddle, Mayo Bldg.

Okla., Waurika—City will probably let franchise to Southwestern Light & Power Co., Fort Worth, Texas.

Tenn., Knoxville—Plateau Oil & Gas Co., capital \$125,000, incorporated; C. T. Baylor, Tazewell Park.

Tenn., Memphis—Gay Oil Co., 301 W. Third St., Little Rock, Ark., acquired Indian Refining Co.'s plant, 1115 Southern St.

Tex., Beaumont—Stella Oil Co. increased capital to \$50,000.

Tex., Breckenridge—Robert Oil Co., capital \$150,000, incorporated; Jack B. Robert, J. E. Hickman.

Tex., Houston—Southwestern Refining Co., increased capital to \$300,000.

Tex., Houston—Coastal Oil Co., capital \$15,000, incorporated; R. L. Henry, 201 W. Alabama St.

Tex., San Antonio—Coyle-Concord Oil Co. increased capital to \$125,000.

Va., Abingdon—Southern Petroleum Stations, capital \$25,000, incorporated; E. C. Ashley, J. Irby Hurt.

W. Va., Blacksville—Swastika Oil and Gas Co., capital \$75,000, incorporated; J. G. Smith, M. R. Phillips.

Ice and Cold-Storage Plants

Ark., North Little Rock—Standard Ice Co., capital \$10,000, incorporated; A. S. Buzbee, 2221 Spring St., will erect 50-ton ice plant at Main and Cotton Belt tracks.

Ark., Stuttgart—Arkansas Light & Power Co., Pine Bluff, will enlarge ice plant, estimated cost \$50,000.

Fla., Miami Beach—Causeway Ice Co. has permit to erect \$10,000 ice plant.

La., Baton Rouge—Independent Ice Co., Inc., capital \$75,000, chartered; Edward R. Brinker, Marvin B. Sherwood.

La., Morgan City—See Electric Light and Power.

Mo., Springfield—Merchants Ice Co., R. F. McVay, Mgr., 1017 S. Pickwick St., plans erecting six modern ice stations, capacity

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

6 to 10 tons, equipped with refrigeration machines.

N. C. Apex—Apex Ice & Fuel Co., capital \$50,000, incorporated; Walter J. Cooke, Claud R. Clifton.

Okl., Okmulgee—Okmulgee Wholesale Grocery Co. let contract to Smith & Senter, at \$40,000, for 1½-story refrigerating plant; to be occupied by Armour & Co.

Tenn., Chattanooga—C. E. Bearden, Archt., First National Bank Bldg., making plans for cold storage building and ice plant for Pine Breeze Sanatorium.

Tenn., Knoxville—Dept. of Public Service, will expend approximately \$30,000 for installation of refrigeration and heating systems in municipal market house; soon begin work.

Tex., Anson—Polar Ice Co., capital \$25,000, incorporated; W. T. Woody, O. H. Hammer.

Tex., Hughes—Hughes Ice & Gin Corp., capital \$25,000, chartered; J. P. Hughes, Marianna; J. S. Whal, Caruthersville, Mo.; will erect 15-ton ice plant and gin building, brick and concrete; acquired site.

Iron and Steel Plants

Ala., Thomas, mail Birmingham—Republic Iron & Steel Co., Youngstown, Ohio, reported, to build open hearth mill adding to plant which now includes three blast furnaces, coal and ore mines, lime stone quarry and railroad line; construction to begin early part of 1926.

W. Va., Weirton—Weirton Steel Co., reported, construct harbor and dock facilities at Brown's Island, including stationary unloading tower, wooden fender attached to concrete piers and loading dock.*

Land Development

Ala., Montgomery—Abraham Bros. Ext. S. Court, will develop portion of 200-acre tract on S. Court St. subdivision; install roads, water, sewer, electric lights.

D. C., Washington—Cafritz Co. will develop tract of land on Fourteenth St. near Park Road.

Fla., Avon Park—Marfisi and Coleman, Sebring; J. Adikes, Jamaica, N. Y., acquired tract of land; develop for subdivision.

Fla., Babson Park—Florida Highlands Light and Water Co., capital \$100,000, incorporated; Winslow L. Webber, C. P. Seiden.

Fla., Bradenton—James McFadyean of McFadyean & Co., New York, acquired 1000 acres of land on Manatee River; develop subdivision.

Fla., Bunnell—Atlantic Shores Co., capital \$100,000, incorporated; Ed. Johnson, H. W. Sessions.

Fla., Clearwater—Florida-Wheeling Realty Co., capital \$100,000, incorporated; E. W. Stifel, R. L. Kirk.

Fla., Cocoa—Gus C. Edwards will develop Rockledge Park for subdivision.

Fla., Dade City—George B. Kellogg, St. Petersburg, acquired 20 acres of land; will develop.

Fla., Davie—Jacob Well of Fort Lauderdale, acquired 10-acre citrus grove.

Fla., Daytona Beach—Randall Viall Co., capital \$100,000, incorporated; C. A. Randall, 121 N. Grandview Ave.

Fla., Daytona—C. E. Campbell, 48 Lenox St., of South Ridgewood Development Co., will develop Woodlawn subdivision; install roads, streets, sewers, water, electric lights.

Fla., Daytona—Martin M. Hagan, 711 Main St., Daytona Beach, acquired interest in ocean to river tract and will develop.

Fla., Fort Pierce—Goodwin & Baker Realty Co., capital \$250,000, incorporated; R. S. Goodwin, Geo. T. Baker.

Fla., Fort Pierce—Sunrise Land Co., capital \$500,000, incorporated; E. L. Taylor, Richard S. Walton.

Fla., Fort Pierce—Perry Morgan, Syracuse, N. Y., acquired 20 acres of land; will develop.

Fla., Fort Pierce—Marshall Walsh, Inc., capital \$50,000, incorporated; R. N. Kohlegard, Jr.; W. C. Baggett.

Fla., Fort Lauderdale—Kyle-Eyster-Humphrey Realty Co., capital \$10,000, incorporated; C. A. Sullivan, Phillip Humphrey.

Fla., Groveland—Edwin H. Brownley, Calvert Bldg., Baltimore, Md., acquired tract of land; will develop.

Fla., Groveland—See Water Works.

Fla., Haines City—W. H. Reddy, L. M. Studstill acquired 30 acres of land; will subdivide.

Fla., Haines City—F. A. Randall will develop Oaks and Lake Elsie subdivisions; construct roads, install water, sewers.

Fla., Haines City—W. G. Vel, West Palm Beach, and associates acquired 30-acre site, develop subdivision.

Fla., Hollywood—Frank Hoseln Co., capital \$15,000, incorporated; Frank Hoseln, Charles Kinkil.

Fla., Jacksonville—The Realty Corp., capital \$100,000, incorporated; John A. Futch, 1440 Riverside Ave.

Fla., Jacksonville—Florida Beach Corp., capital \$2,000,000, incorporated; E. M. Elliott, John L. Kaptain.

Fla., Jacksonville—E. H. Fowler of Fowler Bros., 899 Edison St., Detroit, Mich., and Muscle Shoals, acquired tract of land; will develop.

Fla., Jacksonville—Florida Subdivision Development Corp., capital \$50,000, incorporated; Robert R. Miller, 2043 Perry St.

Fla., Jacksonville—Fairview Land Corp., capital \$25,000, incorporated; A. E. Brown, U. S. Trust Bldg.

Fla., Jacksonville—Stone-Simms Realty Co., capital \$50,000, incorporated; Gregory E. Stone, Robert W. Sims.

Fla., Jacksonville—E. H. McIntyre, Chicago, Ill., acquired 20-acre site; develop subdivision.

Fla., Jacksonville—Fort Myers Development Corp., capital \$7,500,000, incorporated; Irving Walker, Harry Waver.

Fla., Jacksonville—Florida Sub-Tropics Holding Co., capital \$25,000, incorporated; S. King, 21st St.

Fla., Jacksonville—General Land Co., capital \$50,000, incorporated; Fred H. Davis, Curtis L. Walker.

Fla., Jacksonville—Pablo Plaza Corp., capital \$50,000, incorporated; P. H. Odom, Graham Bldg.

Fla., Jacksonville—Landgold, Inc., capital \$5,000,000, incorporated; Leslie E. Francis, James L. Mather.

Fla., Jacksonville—Seaboard Distributing Co., capital \$100,000, incorporated; C. H. Lichter, J. H. Lathero.

Fla., Jacksonville—Wise Realty Co., capital \$100,000, incorporated; Frank C. Taylor, 28th St.

Fla., Jacksonville—New Everside Co. acquired 2000 acres of land on Cumberland Island.

Fla., Jacksonville—Fendig Realty Co. is developing tract of land on Arlington River.

Fla., Jacksonville—Square Deal Land and Development Co., 209 St. Johns Ave., H. A. Rang, Pres., will develop Kenneth Park subdivision.

Fla., Kissimmee—Rev. Father Francis Gross acquired Oseolas Hotel and 52-acre farm; develop for colonization.

Fla., Kissimmee—Florida Tropics Development Corp., W. A. White, Pres., will develop several thousand acres of land for townsite; construct waterways, golf course, wide parked boulevards, install water, sewers and lights.

Fla., Largo—A. C. Courts will develop Myrtlewood, subdivision.

Fla., Melbourne—See Electric Light and Power Plants.

Fla., Miami—Leroy D. Householder, Melbourne, acquired 30-acre citrus grove and 500 acres land.

Fla., Miami—Vivian Green Co. acquired 40-acre tract; develop subdivision.

Fla., Miami—Kearne-Baker Realty Corp., capital \$50,000, incorporated; J. L. Kearns, J. W. Campbell, 338 N. E. 21st St.

Fla., Miami—Newland Corp., capital \$250,000, incorporated; S. O. Grinberg, M. Newland.

Fla., Miami—Flagler Development Co., capital \$50,000, incorporated; R. W. Frazer, J. W. Manner.

Fla., Miami—Harrington Properties, Inc., capital \$50,000, incorporated; Paul Harrington, 216 Washington Ave.

Fla., Miami—White Acreage Co., capital \$10,000, incorporated; C. Dulin Grant, Halcyon Arcade.

Fla., Miami—Florida Mutual Estates, Inc., capital \$25,000, incorporated; E. H. Huston, Ruth M. Reynolds.

Fla., Miami—Wege-Stanford Realty Co., capital \$25,000, incorporated; J. K. Elliott, Walter F. Myers.

Fla., Miami—Witherill-Brown Co., capital \$100,000, incorporated; Clark H. Witherill, 130 N. W. North River Drive.

Fla., Miami—Redmond-Simmons Realty

Co., capital \$150,000, incorporated; Berkeley L. Simmons, Bruce M. Redmond.

Fla., Miami—Curtiss-Bright Co., Hialeah, are developing 1000 acres of land for Opa-Lacka subdivision; construct canals, install water, sewers, electric lights, parks.

Fla., Miami—Brand Holding Co., capital \$1,000,000, incorporated; John Brand, 111 Fort Dallas Park.

Fla., Miami—Coast Land Co., capital \$250,000, incorporated; J. M. Shaw, 428 N. W. 11th Ave.

Fla., Miami—Sarasota-Manatee Corp., capital \$400,000, incorporated; Vance W. Helm, Coconut Grove.

Fla., Miami—Miami-Boston Land Co., capital \$600,000, incorporated; J. Edward L. McLean, Joseph A. Dennison.

Fla., Miami—Springfield-Dayton Land Co., capital \$100,000, incorporated; A. A. Carmichael, F. N. Padgett.

Fla., Miami—Baltimore-Miami Holding Co., capital \$60,000, incorporated; W. G. Alexander, 229 W. Tenth Ave.

Fla., Miami—Fitzpatrick Properties, Inc., capital \$50,000, incorporated; B. Fitzpatrick, D. C. Fitzpatrick.

Fla., Miami—Frank E. Lott Enterprises, Inc., capital \$50,000, incorporated; Frank E. Lott, O. D. Gorman.

Fla., Miami—Alexander Orr, Jr., capital \$200,000, incorporated; Alexander Orr, Jr., 45 N. W. Third St.

Fla., Miami—Greater Miami Holding Co., capital \$100,000, incorporated; H. H. Walters, Charles A. Pearson.

Fla., Miami—Rinhart-Verne Co., capital \$100,000, incorporated; Elmer N. Rinhart, Mary L. Kautzman.

Fla., Miami—Florida Lake Shores Farms, Inc., capital \$2,000,000, incorporated; A. M. Eversole, G. M. Thompson.

Fla., Miami—Akin Realty Co., capital \$25,000, incorporated; Rufus J. Pearson, 214 Tatum Bldg.

Fla., Miami—Miami Home Acres, capital \$50,000, incorporated; F. A. P. Jones, 104 Fort Dallas Park.

Fla., Miami—Pals Realty Corp., capital \$100,000, incorporated; Louis L. Becker.

Fla., Miami—Redmond-Simmons Realty Co., capital \$150,000, incorporated; Berkeley L. Simons, R. S. Parkham.

Fla., Miami—Fourway Realty Corp., capital \$30,000, incorporated; Theodore A. Gessler, 2322 N. E. Third Ave.

Fla., Miami—George A. Rubin, Pres. of George A. Rubin Realty Co., acquired tract of 240 acres; will develop.

Fla., Miami—Gilbert & Moseley Real Estate Co., capital \$50,000, incorporated; W. R. Gilbert, W. T. Moseley.

Fla., Miami—Jos. Deane, Hotel Royalton, acquired 51 acres of land adjoining Melrose Heights and will develop Riverside Manor subdivision.

Fla., Miami—W. H. Bowman Properties, capital \$350,000, incorporated; W. W. Bowman, M. O. Bridges.

Fla., Miami—John A. Swanson Corp., capital \$50,000, incorporated; John A. Swanson, Edwin T. Maynard.

Fla., St. Petersburg—Pinellas Holding Co., capital \$20,000, incorporated; Vernon G. Agee, Howard R. Canning.

Fla., Miami—Pittman Realty, Inc., capital \$20,000, incorporated; Owen W. Pittman, Jr., 169 S. W. 11th St.

Fla., Miami—Associated Land Owners, 108 Vale Arcade, capital \$100,000, incorporated; H. H. Hall, W. C. Harman.

Fla., Miami—Wersha Holding Co., capital \$25,000, incorporated; Jacob Abrams, Robert Wersha.

Fla., Miami—Industrial City Corp., capital \$250,000, incorporated; Charles L. Apfel, Walter J. Harris.

Fla., Miami—Krone Land & Development Corp., capital \$100,000, incorporated; Chester W. Krone, Arthur F. Krone.

Fla., Miami—Island Home Development Co., capital \$25,000, incorporated; Julius Pearlman, 4 E. Flagler St.

Fla., Miami—Sharon Realty Corp., capital \$50,000, incorporated; F. N. Padgett, M. L. Hume, 752 S. W. First St.

Fla., Miami—Sunnyside Estates, capital \$25,000, incorporated; Lee J. Chase, 316 N. Bay Shore Drive.

Fla., Miami—Shackelford Properties, Inc., capital \$50,000, incorporated; J. L. Shackelford, John Springer.

Fla., Miami—Shore Line Realty Co., capi-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

tal \$25,000, incorporated; J. A. Harring, Jr.; Clifford A. Vickery.

Fla., Miami Beach—Ocean Realty Co., capital \$50,000, incorporated; Russell K. Platt, J. Atwood Walker.

Fla., Miami Beach—Mawak Co., capital \$50,000, incorporated; W. A. Kohlhepp, 1716 Meridian Ave.

Fla., Ocala—Louis Dammers Organization, Miami, Thomas N. Jarrell, West Palm Beach, and associates will develop 40,000 acres.

Fla., Orlando—W. H. Mouser & Co., capital \$75,000, incorporated; W. H. Mouser, Ethel B. Mouser.

Fla., Orlando—Robt. E. Lloyd and associates acquired 512 acres of land on Cheney Highway.

Fla., Ormond—National Realty Co., Miami, acquired National Gardens, tract of 3600 acres.

Fla., Palatka—Arnold Land Co. incorporated; Charles A. Ferble, W. H. Davis.

Fla., Panama City—Taylor Realty Co., capital \$15,000, incorporated; J. B. Taylor, M. B. Davis.

Fla., Pensacola—West Florida Development & Investment Co. acquired Florosa properties of J. H. Kraus, comprising 17,000 acres; will develop.

Fla., Pensacola—John H. Perry, Pres., American Press Assn., 50 Church St., New York, and associates acquired and will develop Innerarity Island for recreational estates; construct golf course and private club with swimming casino; part Spanish and Venetian architecture.*

Fla., Pensacola—Neely Bowen, Chicago, Ill., Frank C. Jones, Belleair, Fla., acquired 9300 acres; will develop.

Fla., Pensacola—See Sewer Construction.

Fla., Quincy—Gadsden County Florida Realty Co., capital \$20,000, incorporated; Henry Wemberg, L. B. Ellinor.

Fla., Plant City—See Water Works.

Fla., Punta Gorda—Charlotte Bay Development Co., capital \$100,000, incorporated; Joseph O'Malley, C. S. Cook.

Fla., Rock Harbor—Kunst & Lane, Key Largo, is developing Sunset Cove subdivision; will install hard surfaced streets, cement sidewalks, concrete community pier; water; sewers; electric lights.

Fla., Sarasota—Whitfield Estates, Inc., D. G. Hale, Pres., is developing 800 acres of land for subdivision; construct streets, install water system; seawall, golf course, golf club house; expend \$1,000,000 during summer months; Pringle & Smith, Architects, Atlanta Trust Co. Bldg., Atlanta, Ga.; Adair & Senter, Contrs., Healey Bldg., Atlanta; G. B. Wilkinson, Sarasota, and A. D. Taylor, Prospect and E. 46th Sts., Cleveland, O., Landscape Architects.*

Fla., St. Augustine—Wm. A. Hyman, 100 William St.; Phillip Goldberg, both New York City, acquired 90-acre site, develop subdivision; install water, sewers, roads and streets.

Fla., St. Augustine—Davis Island Co., Tampa, will develop subdivision along lines of development at Tampa; Geo. B. Hills Engineering Co., Engrs., Jacksonville.

Fla., St. Augustine—Harry Jackson and associates will develop Roosevelt Terrace subdivision, tract of 400 acres; install water, sewers, electric lights, roads; Peter Kendrick Engineering Co., Engrs., Fuller Wood Park.

Fla., St. Augustine—J. A. Robertson, West King St., is developing Seminole Park subdivision; will install paved streets, sewers and water works; Gould T. Butler, Engr., 57 Charlotte St.

Fla., St. Augustine—Pierson Realty Co. will develop Gold Mine Heights subdivision, tract of 120 acres; install paved streets, water, sewerage, electric lights; Gould T. Butler, Engr., 57 Charlotte St.

Fla., St. Augustine—Federal Land Co. are developing 4000 acres of land for Hilden subdivision; install paved streets, water and sewer and electric lights; Gould T. Butler, Engr., 57 Charlotte St.

Fla., St. Augustine—Usina and Giller are developing Ponce de Leon Heights subdivision, tract of 100 acres; install streets, water, sewer and electric lights; Gould T. Butler, Engr., 57 Charlotte St.

Fla., St. Augustine—J. N. Bradshaw will develop Araquay Park, tract of 511 acres of land, for subdivision, approximately 29 miles asphalt streets, curbs and gutters, sewerage system, gas, water, electric lights, expend \$500,000; Gould T. Butler, Engr., 57 Charlotte St.

Fla., St. Augustine—S. G. Levy, Chicago, Ill., and associates plan development of 375 acres.

Fla., St. Augustine—Cedar Knolls Corp., Charles F. Hopkins, Jr., Sec., 50 Water St., will develop Cedar Knolls subdivision; install water, sewer, electric lights, roads and streets.

Fla., Sarasota—Duquesne Land Co., capital \$150,000, incorporated; J. H. Yohe, John F. Burket.

Fla., Sarasota—Sarasota Business Properties, capital \$1,000,000, incorporated; Bert McKenzie, E. N. Claughton.

Fla., St. Petersburg—Anniston Realty Co., capital \$50,000, incorporated; James R. Goodrich, E. H. Lanford.

Fla., St. Petersburg—J. A. Purviss and H. Harris reported interested in development of 40 acres on Jungle Park-Seminole Rd.

Fla., Tallahassee—City, Wm. R. Galt, Mgr., advises will not construct golf course as lately noted.

Fla., Tampa—City Comsn. will develop Kenyon Memorial Park, construct seawall.

Fla., Tampa—Florida Syndicate Estates, Inc., capital \$100,000, incorporated; Maxwell N. Gainesborough, W. Thomas Airey.

Fla., Tampa—Victory Development Co., capital \$50,000, incorporated; H. C. Snow, T. J. Morris.

Fla., Tampa—Walton-Sloan Co., capital \$25,000, incorporated; E. J. Walton, 908 Bruce St.

Fla., Tampa—Bennett E. Siegelstein, Atty. for Wilbraham Realty Corp., reported to acquire and develop 77,000 acres of land in Hillsboro and Pasco counties.

Fla., Tarpon Springs—Edgar John Phillips, 69 W. Washington St., Chicago, Ill., is developing 180 acres for golf course and country club; Thomas G. Gage Construction Co., Constr., 64 W. Rand St., Chicago, Ill.; Wm. H. Diddle, Golf Archt., Indianapolis, Ind.*

Fla., Tarpon Springs—City defeated \$60,000 bonds for golf course; H. Joe Smith, Clk.*

N. C., Cary—Cary Realty Co., incorporated; J. R. Matthews, R. O. Heater.

Fla., Verna—New York Realty Co., Miami, acquired 60 acres; will develop.

Fla., Verna—Southland Manor, Mrs. Sallie C. Robinson in charge, is developing subdivision.

Fla., West Palm Beach—Blowing Rock Park Development Co., capital \$1,000,000, incorporated; Jesse L. Livermore, Albert R. Wendt.

Fla., West Palm Beach—Northwood Investment Co. will develop subdivision; install water, sewers, electric lights, rock streets, cement curbing.

Fla., West Palm Beach—City, Henry Stephens Harvey, Mayor, voted \$568,500 park bonds.*

Fla., West Palm Beach—Pittsburgh-Okeechobee Land Co., capital \$100,000, incorporated; C. E. McDonald, M. D. Carmichael.

Fla., West Palm Beach—Palm Tree Development Co., capital \$25,000, incorporated; Charles Bereshelm, Freda Louise Whitford.

Fla., Winter Haven—Winter Haven Growers, capital \$150,000, incorporated; J. E. Crump, John F. May.

Fla., Winter Haven—Nichols Perry Realty Co., capital \$50,000, incorporated; R. A. Nichols, J. H. Elder.

Fla., Winter Haven—Winter Haven Development Co., capital \$50,000, incorporated; J. C. Foster, J. H. Elder.

Ga., Cloudland—Summit Park Co., capital \$300,000, incorporated; Fred A. Nichols and E. C. Bender, both St. Petersburg, Fla.

Ga., Valdosta—Lilly Realty Co. and Georgia Realty Co. acquired site at Long Pond and Twin Lakes; will develop.

La., Mandeville—St. Tammany Realty Co., Covington, acquired tract of land on Monroe St.; will develop.

Md., Baltimore—J. B. Mellor, Fidelity Bldg., Ashburton Realty Co., reported to have acquired 155 acres of land on North Branch and will develop for subdivision.

Md., Pikesville Branch, Baltimore—Pikesville Real Estate Co., incorporated; Mariona V. Lowrey, Blanche A. Lounger.

Fla., Winter Haven—Taylor-Alexander Properties, capital \$3,000,000, incorporated; R. D. McMillan, George R. Bent.

Mo., Kansas City—Jay M. Jackson Realty Co., 810 Baltimore Ave., incorporated; Jay M. Jackson, Frank D. Jackson.

Mo., Kansas City—Mt. Morris Investment Co., capital \$28,000, incorporated; Henry M. Beardsley, 3645 Walnut Bank Bldg., Kansas City.

Mo., St. Louis—Sie-West Realty Co., incorporated; T. Sievert, 4067 Moffitt St.

N. C., Asheville—Governor Heights, Inc., capital \$10,000, incorporated; George W. Craig, Swannanoa Road.

N. C., Brevard—Brevard Home Builders, Inc., capital \$50,000, incorporated; C. E. Lowe, W. F. Breese.

N. C., Charlotte—Yates Edgerton, Inc., capital \$25,000, incorporated; Yates Edgerton, 706 Queens Road.

N. C., Greensboro—J. G. Isenour Realty Co., capital \$100,000, incorporated; B. B. Vinson, American Bank Bldg.

N. C., Tryon—Blue Ridge Realty Co., capital \$10,000, incorporated; Paul S. Ragan, Fort Myers, Fla.; Charles J. Lynch, Tryon.

S. C., Chester—Chester Lakeview Corp. acquired 400 acres land, construct lake; estimated cost \$25,000; M. C. White, Contr.; J. H. McLure, Engr.

S. C., Columbus—Security Realty Co., incorporated; Wm. S. Nelson, Palmetto Bldg.

Tenn., Chattanooga—Isaac Walton League of America, J. W. Oliphant, 1901 Oak St., and others interested in development of 165 acres for camp site, tennis courts, construct dam.

Tenn., Chattanooga—Signal Mountain Portland Cement Co., James Bldg., H. J. Weeks, Asst. Gen. Mgr., will develop model village at Glendale station on 20 acres of land; install water, sewers, electric lights, streets and sidewalks.

Tenn., Chattanooga—American Trust and Banking Co., 734 Market St., trustee, acquired 374 acres of land on Waldens Ridge; develop subdivision.

Tenn., Knoxville—Richard Myers and Edwin C. Metcalf, Holston Bank Bldg., acquired 30 acres of land on Jacksboro Pike; develop Oak Grove subdivision; construct driveways.

Tenn., Tullahoma—Capt. B. H. Wilkins, M. R. Campbell reported interested in construction of concrete dam to form 80-acre lake of new resort, including golf course.

Tenn., Watertown—W. J. Scott, Mayor, acquired 35 acres land, develop subdivision.

Tex., Cuero—Fairview Park Land Co., Walter Reiffert, Pres., has begun development of 30 acre subdivision; grade streets, cement sidewalks, water and sewer mains.*

Tex., Dallas—Eagle Ford Land & Industrial Co., capital \$10,000, incorporated; F. J. Burke, 5316 Ross St.

Tex., Dallas—Eagle Ford Land and Industrial Co., capital \$10,000, incorporated; J. L. Lancaster, 3645 Beverly Place.

Tex., Dallas—University Park Development Co. incorporated; L. M. Smith, 5339 Willis St.

Tex., Galveston—Galveston Memorial Park, Inc., capital \$32,000, incorporated; Walter Norwood, Sec., 2208 F St., has begun development of 15 acres for cemetery; will grade, and gravel driveways and landscaping; erect sexton house and office combined; C. B. Adsit, Archt., 681 Robeson St., Memphis, Tenn. (Address after Aug. 16; 521 U. S. Bank Bldg., Galveston).*

Tex., Houston—Varner Realty Co., Norhill section, increased capital to \$378,750.

Tex., Lubbock—W. L. Ellwood, owner of Spade Ranch, 21,000 acres, contracted with Texas Farm Investment Co., Dallas, to improve and colonize land.

Tex., Orange—E. Ray Thompson, of Arrowhead Place, will plant 26,000 fig trees on 200 acres.

Tex., San Antonio—G. and C. Hagelstein, Waring Hills, acquired Hereford Hill, tract of 140 acres; will develop subdivision, install streets, water, sewers, electric lights.

Tex., San Antonio—Geo. Hagelstein, Nix Bldg., will develop 140 acres for subdivision; install water, sewers, paved streets.

Va., Bristol—Florida and Virginia Developers, capital \$25,000, incorporated; Don A. Wren, Bessie P. Gibson.

Va., Danville—Forest Hills Development Corp., A. B. Carrington, Pres., 622 Holbrook Ave., acquired 140 acres of land on Dan River; develop subdivision.

Va., Danville—Forest Hills Development Co., capital \$300,000, incorporated; A. B. Carrington, Pres., 622 Holbrook Ave.; develop 149 acres for subdivision.

Va., Hampton—Langley View Development Co., capital \$15,000, incorporated; C. M. Robinson, Hampton; A. M. Hill, Richmond.

Va., Petersburg—Pine Gardens, capital \$50,000, incorporated; David A. Lyon, Jr., Jerusalem Plank Road.

W. Va., Beckley—A. B. Redden will develop tourist camp, install water and sewer.

W. Va., Charleston—Belle Land Co. ac-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers' Record is mentioned.

quired 21 acres of land near Belle; develop subdivision.

W. Va., Kingwood—Puston County Club Felix Elliott, Pres., will develop 416 acres for country club, golf course, tennis courts, swimming pool; install electric system.*

W. Va., Welch—Rhodes Realty Co., capital \$200,000, incorporated; I. J. Rhodes, Welch; H. T. Graham, Anawalt.

Lumber Enterprises

Ark., Gravette—Mansfield Lumber Co., Fort Smith, Ark., acquired yards of Gravette Lumber Co.; will operate; Ernest C. Hayes, Mgr.

Fla., Bartow—F. E. Drake, Owensboro, Ky., acquired Bartow Lumber Co.

Fla., Deland—Jacobs Lumber & Supply Co., capital \$50,000, incorporated; N. N. Jacobs, Pres.; J. A. Kenyon, Sec.

Fla., Jacksonville—General Lumber & Supply Co., capital \$1,000,000, incorporated; Wm. J. O'Brien, 310 W. Church St. Apts.

Fla., Miami—Home Builders Lumber & Supply Co., capital \$50,000, incorporated; Wm. W. Shipp, 34 S. W. 18th Road; Geo. H. Wilson.

Fla., Tampa—Palma Ceia Lumber Co., Covadonga St., capital \$75,000, incorporated; J. C. Webster, Pres.; J. M. Taylor, Sec.

Fla., Tampa—Alexander Lumber Co., capital \$250,000, incorporated; T. F. Alexander, Pres., 711 S. Delaware St.

Tex., Dallas—Kean Lumber Co., capital \$50,000, incorporated; Geo. Kean, Slaughter Bldg.

Tex., Dallas—Maple Lawn Lumber Co., capital \$60,000, incorporated; E. R. Slaughter, 2611 Throckmorton St.

W. Va., Salem—Preston Lumber Co., incorporated; O. A. Schock, R. E. Boggs.

Metal-Working Plants

Mo., Kansas City—Federal-Mogul Corp., capital \$10,200, incorporated; Charles Hunter, 502 E. 18th St.

Mining

Fla., Tampa—Ocean Stone & Gravel Co. incorporated; Fred H. Davis, H. C. Crawford.

Miss., Columbus—New Hope Gravel Co., capital \$55,000, incorporated; W. J. Shackelford, Columbus; Geo. McGee, Rosedale.

S. C., Walhalla—H. Gerard Hartzog of Greenwood acquired 1200 acres on Poor Mountain; will develop marble quarry.

Tenn., Knoxville—American Bauxite Co., increased capital, \$250,000 to \$400,000.

Va., Roanoke—Stone—Shawsville Investment Corp., capital \$25,000, chartered; C. A. Albert, C. C. Sneed.

Miscellaneous Construction

Fla., Boca Raton—Bulkhead—Mizner Corp. let contract to A. Paternowitz & Co. at \$150,000 for bulkheading shores of Lake Boca Raton and four islands in the lake, in conjunction with Cement Gun Co.'s work, now under way.

Fla., Deland—Inlet—Volusia County plans voting in Sept. on \$1,500,000 bonds to deepen Mosquito Inlet to depth of 25 ft. Address City Clerk.

Fla., Miami—Canals—See Land Development.

Fla., Miami Beach—Pier, etc.—Peninsular Terminal Co., 331 Lincoln Road, reported, plans building 1500 ft. pier, Biscayne Bay, with 30-ft. slips on either side, each 300 ft. wide; work to be completed by Oct. 1.

Fla., Rock Harbor—Pier—See Land Development.

Md., Ocean City—Pier—W. W. McCabe, Mayor, interested in constructing \$25,000 fishing pier.

Fla., Palmetto—Seawall—W. W. Hubble, Chmn. of Committee in charge, has plans by Kirby & Webb, Engrs., for approximately 4-mi. seawall; project sponsored by Chamber of Commerce.

Fla., Tampa—Seawall—See Land Development.

Fla., West Palm Beach—Seawalls—City, Henry Stephens Harvey, Mayor, voted \$220,000 seawall bonds.*

La., New Orleans—Seawall—Orleans Levee Board, Peter J. Flanagan, Pres., 2655 Palmyra St., reported, soon begin work on 5-mi. seawall from West End to Seabrook; cost of building seawall with strip of lake

shore, approximately \$10,000,000; Col. Marcel Garsaud, Chief Engr., 2106 Tulane St.

Mo., Springfield — Subway—See Bridges, Culverts, Viaducts.

Tex., San Antonio—Swimming Pool—City will construct \$30,000 swimming pool. Address City Clerk.

Va., Richmond—Memorial Monument—Morgan R. Mills, Chmn. Virginia War Memorial Comsn., will probably build tomb for "Unknown Soldier" as part of \$250,000 war memorial erected by state.

Miscellaneous Enterprises

Ala., Anniston—I. T. Quinn, Commr. of Game and Fisheries, Montgomery, Ala., let contract to Nixon Transfer & Coal Co., Anniston, to construct fish hatcheries, includes 2700 cu. yds. earth removal, 2 concrete spillways.*

Ala., Mobile—Edwards Disinfection Co., capital \$15,000, incorporated; John Cleutat, H. C. Beschel.

Fla., Boynton — Realty Publishing Co., capital \$50,000, incorporated; W. O. Lipscomb, P. O. Gordon.

Fla., Bradenton—Dobbs & Whitaker, Inc., Paul Dobbs, Pres., Turner St., will erect \$70,000 addition of one or two stories; reinforced concrete, steel, brick walls, concrete floors, built-up roof; install \$3000 equipment; will probably let contract in about 10 days; J. H. Johnson, Archt., Bradenton.*

Fla., Delray—Delray Laundry, Inc., capital \$50,000, chartered, J. C. Keen, J. L. Warm.

Fla., Fort Lauderdale—Leggett Construction Co., capital \$30,000, incorporated; Simon Fritz, Harold Marshall.

Fla., Haines City—Polk Hotel Co., capital \$250,000, incorporated; Ralph Polk, Pres.; Paul Stanton, Sec.

Fla., Haines City—Frank Bryson will install steam laundry in Groves Hotel; cost \$40,000.

Fla., Lake Wales—Bucher's Flexible Ventilating Fiber Box & Crate Co., capital \$200,000, incorporated; R. Bucher, Pres.; Chas. M. Quinn, Sec.

Fla., Lake Worth—E. F. Andre, Polo, Ill., will establish pasteurizing milk bottling plant, equip with latest machinery; probably manufacture ice cream later.

Fla., Miami—National Construction Co., capital \$100,000, incorporated; Julius A. McDonald, Pres.; Daisy F. Gallbreath, Sec.

Fla., Miami—Shipp & Futch Hotel Co., capital \$100,000, incorporated; M. D. Futch, Pres.; M. J. Williams, Sec.

Fla., Miami—South Beach & Construction Co., capital \$20,000, incorporated; F. N. Craine, A. R. Slaughter.

Fla., Miami—Seleman Construction Co., capital \$50,000, incorporated; Fitzhugh L. Seleman, A. C. Franks, 621 S. W. 7th St.

Fla., Miami — Cushman Restaurants, Bakeries, Inc., capital \$20,000, chartered; H. C. Crawford, Jr., C. L. Wallace.

Fla., Miami—Home Beautiful Construction Co., capital \$100,000, incorporated; C. E. Hightower, J. Gordon Hussey.

Fla., Miami—Continental Electrical Appliance Co., capital \$1,000,000, incorporated, R. D. Roberts, Pres.; Wm. B. Temple.

Fla., Miami—White Sulphur Investment Co., care of All-Florida Realty Co., 213 N. E. First Ave. interested in establishing plant for bottling spring water.

Fla., Panama City—Panama City Tar & Turpentine Co., doubling capacity; new addition consists of four retorts; making monthly output 15,000 gal. crude oil and several carloads of charcoal.

Fla., Pensacola—City votes Aug. 18 on \$20,000 bonds for additional fire fighting equipment. Address City Clerk.

Fla., Plant City—City votes Sept. 1 on \$26,000 bonds for fire department and alarm system; J. L. Causey, City Clerk.

Fla., Salerno—Salerno Building & Supply Co., capital \$50,000, incorporated; H. L. Hume, F. W. Padgett.

Fla., Sanford—Laundry—B. L. Chrisenberry and associates, will establish \$50,000 laundry, 1-story, 50x120-ft., acquired site facing Third and Fourth St.

Fla., Sarasota—Casabona Construction Co., capital \$20,000, incorporated; Jean J. Casabona, Max Greenberg.

Fla., St. Petersburg—B. Herder Book Co., Victor Gummersbach, Pres., 15 S. Broadway, acquired two 4-story buildings adjoining present plant, will remodel for publishing plant.

Fla., Sarasota—Experimental Farm—Pal-

mer Corp., R. K. Thompson, resident Mgr., will expend \$50,000 for erection of administration buildings, offices, employees' houses.

Fla., Sarasota—Fire Fighting Equipment—City will begin installation of equipment purchased from the Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass., at \$11,000; H. M. Knowles, Fire Chief.

Fla., Tampa—Concrete & Builders Supply Co., capital \$25,000, incorporated; H. W. Roberts, I. M. Roberts.

Fla., Tampa—Florida Agricultural Press Bureau, capital \$10,000, incorporated; F. J. Zimmerman, 110 Packwood Ave.

Fla., Tampa—U. S. Bedding Co., capital \$50,000, incorporated; Warren Jones, Pres.; E. M. Reeves, Sec.

Fla., Tampa—Lee Terminal & Warehouse Corp., capital \$350,000, chartered; J. Edgar Lee, Pres.; W. R. Nisbet, Sec.

Fla., Tampa—Ybor Furniture Co., capital \$20,000, incorporated; B. Valero, Jr., 407 E. Buffalo Ave.

Fla., Tampa—Gulf City Publishing Co., J. S. Mims, 712 S. Willow St.

Fla., Tampa—Tampa Steel Products Corp., capital \$1,000,000, chartered; Fred H. Davis, C. L. Wallace.

Fla., Tampa—Cone Brothers Construction Co., capital \$500,000, incorporated; Fred H. Davis, C. L. Waller.

Fla., West Palm Beach—City, Henry Stephens Harvey, Mayor, voted \$35,000 bonds for sprinkler system; \$50,000 for fire and police alarm system; \$50,000 for purchase of fire apparatus; \$80,000 for incinerators; \$25,000 for street signs.*

Ga., Harlem—L. E. Blanchard Co., Box 1107, Hendersonville, N. C., plans establishing cheese factory, will install necessary machinery. (See Machinery Wanted—Cheese Making Machinery.)

Ky., Ashland—Ramsey & Gatlin Construction Co., capital \$100,000, incorporated; H. L. Ramsey, Earl G. Gatlin.

Ky., Lexington — Lafayette Drug Co., Lafayette Hotel, capital \$25,000, incorporated; B. Katzky, Harry Milkes.

Ky., Louisville—Stiglitz Furnace Co., 234 E. Main St., increased capital, \$25,000 to \$100,000.

Ky., Louisville—Clothing—Neptune Manufacturing Co., 113 S. Fifth St., increased capital, \$50,000 to \$100,000.

Ky., Pikeville—Pikeville General Hospital, capital \$10,000, incorporated; M. D. Flournoy, Z. A. Thompson.

La., Baton Rouge—Insurance—Roberts & Eastland, Inc., Wieck Bldg., capital \$10,000, chartered; Dr. J. C. Roberts, Lowry B. Eastland.

La., Eunice—Adams Pickle Co., Houston, Tex., will erect pickle plant.

La., Benton—Lucian Lott of Plain Dealing has contract for new home of the Bossier Banner; install Delco light and power plant, purchased.

La., Lake Charles—Southern Construction and Mill Supply Co., Merchants Exchange Bldg., Houston, Tex., Don Lyttleton, advises that construction of Milling plant for Lake Charles Rice Milling Co. has been deferred until February, 1926.*

La., New Orleans — American Mattress Works, Inc., capital \$10,000, chartered; Sol Drapekin, Pres., 2125 Peters Ave.

La., Monroe—Ice Cream, etc.—Watson & Aven of La., Inc., capital \$80,000, incorporated; F. T. Watson, 2101 Battery St., Little Rock, Ark.

Md., Baltimore—Burns Bottling Machine Works, 424 W. Conway St., let contract to R. R. Ezdorf, 48 E. York St., for plant on Taylor Ave. near Twenty-second St., 1 story, 83x34 ft., concrete block.

Md., Baltimore—C. F. S. Confectionery Co., 1012 E. Baltimore St., capital \$20,000, incorporated; Herman Z. Sacks, Simon Cohen.

Md., Baltimore—Inspection Service Bureau, Inc., New Amsterdam Bldg., capital \$25,000, chartered; Wm. H. Batt, 1000 W. Cross St.

Md., Baltimore—Lagrove Construction Co., 2008 Hillsdale Ave., incorporated; Isadore Kaufman, 3708 Chatham Road.

Md., Baltimore—Hotel Corp. of Maryland, 1437 N. Charles St., capital \$10,000, chartered; Frank C. Young, 15 W. Saratoga St.

Md., Mt. Washington, Sta. Baltimore—Austine Drug Co., First St., capital \$20,000, incorporated; Clarence L. Austin, Carroll R. Benick.

Miss., Hattiesburg—T. B. Geiger of The Geiger Printing Co., acquired interests of Ben S. Dever head of Dever Printing Co., will operate.

Miss., Jackson—Electrical Supplies—E. W.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Cook Co., incorporated; E. W. Cook, 417 Hamilton St., T. L. Carraway.

Miss., Natchez—Ashburn Park Amusement Co., incorporated; A. V. Davis, D. S. Merrill.

Mo., Kansas City—Economy Film Service, incorporated; Bernard C. Cook, 113 W. 18th St.

Mo., Kansas City—Sleek-Warwick Paper Co., 312 W. Sixth St., capital \$60,000, incorporated; Ross M. Sleek, 2 East Fifty-third St.

Mo., Kansas City—Titus & Son Printing & Envelope Co., 915 Broadway, capital \$15,000, incorporated; Fred M. Titus.

Mo., Kansas City—Missouri Safe Deposit Co., capital \$10,000, incorporated; W. S. Webb, 3621 Warwick Blvd., to operate storage and warehouse.

Mo., Kansas City—Newman Cloak & Suit Co., capital \$10,000, incorporated; A. K. Mender, Tenth and Main Sts.

Mo., Kansas City—Kansas City Life Insurance Co., Armour Blvd. and Broadway st., increased capital, \$500,000 to \$1,000,000.

Mo., Kansas City—Slate Products—Jas. E. Williams Slate Co., capital \$30,000, incorporated; Jas. E. Williams, 1548 S. Vandeventer St.

Mo., Kansas City—Kansas City Costume Co., capital \$10,000, incorporated; Walter Wilson, 3524 Agnes St.

Mo., Jefferson City—Titus & Son Printing & Envelope Co., capital \$15,000, incorporated; Fred M. Titus, Edward J. Titus.

Mo., St. Joseph—Missouri Amusement Construction Co., capital \$30,000, incorporated; Leo Marks, Roy Hendricks.

Mo., St. Louis—Lee Plastering Co., incorporated; Irving Lee, 501 N. Ninth St.

Mo., St. Louis—Morris Chemical Corp., capital \$11,000, incorporated; M. Sophir, 4th Page St.

Mo., St. Louis—The Ponath Banks Manufacturing Co., Inc., 5178 Eastern Ave., will erect plant for manufacturing electrical appliances. (See Machinery Wanted—Machine Tools.)

Mo., St. Louis—Tiffany Adjustable Stand Co., capital \$50,000, incorporated; Hier G. Taffany, 2032 Pennsylvania Ave.; manufacture adjustable stands.

Mo., St. Louis—Central Garment Co., 905 Washington Ave., capital \$10,000, incorporated; Harry L. Cohen, Joe Roufa.

Mo., St. Louis—Mississippi River Sand & Material Co., capital \$10,000, incorporated; Edmond Koeln, 3628 Longborough St.

Mo., St. Louis—McDonnell Plumbing & Heating Co., incorporated; Margaret McDonnell, 5339 Northland Ave.

Mo., St. Louis—Bud Printing & Publishing Co., incorporated; H. F. Balthrope, A. K. Goodman, 5043 Alaska St.

Mo., St. Louis—Midland Paper Co., 17 South St., organized; Edward Sebastian, Pres.; Carl Stockstrom, Sec.

Mo., St. Louis—Oil Burners—Famous Manufacturing Co., capital \$100,000, incorporated; A. J. Stumberg, 3630 Keokuk St.

Mo., St. Louis—Home Rug Cleaning Co., 2307 E. Thirty-fourth St., let contract to P. H. Pavillek, 5601 Harrison St., for \$40,000 plant, Forest Ave.; 2-story and basement, 50x125-ft. brick and steel.

Mo., St. Louis—Contractors Tools—Fickissen Finery Equipment Co., incorporated; Carl Finney, 4263 De Tanty St.

Mo., St. Louis—Associated Balting Users Supply Co., capital \$200,000, incorporated; Charles Scott, 55 Hart St.

Mo., St. Louis—Contractor—Kalman Floor Co., incorporated; Paul J. Kalman, A. E. Pinard.

Mo., St. Louis—Dependable Typesetting Co. Inc., capital \$12,000, incorporated; Bernard J. Uhlen, 4728 Maffitt Ave.

Mo., St. Louis—Midland Paper Co., capital \$50,000, incorporated; Carl Stockstrom, 4111 Flora Blvd.

Mo., St. Louis—Jas. E. Williams Slate Co., capital \$30,000, incorporated; J. E. Williams, 6914 Dartmouth St., K. Whitney.

Mo., Springfield—Electric Theatre Co., Square St., leased the Queen City Bank Bldg., will remodel for theater.

N. C. Coats—Langdon Drug Co., capital \$10,000, incorporated; R. E. Langdon, W. J. McStewart.

N. C., Durham—Grove Park, Inc., changed name from T. O. Sharpe Marble & Granite Co., Chapel Hill, increased capital from \$50,000 to \$60,000.

N. C., Elizabeth City—Implements—Scott Sales Co., capital \$100,000, incorporated; F. V. Scott, S. C. Etheridge.

N. C., Gastonia—Dixie Casualty Insurance Co., capital \$50,000, incorporated; W. A. Biondi, Pres.; Hugh S. LeGare.

N. C., Shelby—Reg. Cigar Co., capital \$50,000, incorporated; J. F. Ledford, L. H. Ledford.

N. C., Winston-Salem—Steffel Mattress Co., 1257 N. Liberty St., capital \$100,000, incorporated; G. O. Steffel, S. A. Fields.

N. C., Winston-Salem—Owen Moon, Trenton, N. J., acquired The Morning Journal; reorganize; Owen Moon, Editor and Pres.; Sanford Martin, Sec.; will probably remodel plant.

Okla., Taloga—Home Construction Co., capital \$20,000, incorporated; G. W. Payne, C. M. Payne.

S. C., Anderson—Coca-Cola Bottling Co., R. J. Ramer, Pres., let contract to W. L. Brissey Lumber Co., 2-story and basement, 58x100 ft., concrete, brick, plate glass front with terra cotta trim; install all modern equipment for bottling soft drinks.

S. C., Chester—Publishing—The Chester News, W. W. Pogram, let contract to J. W. Wylie, Chester, for 25x90-ft. building, brick, concrete floors, tin roof.*

S. C., Darlington—Keith B. Lockwood develop amusement center, to be known as Les Heures de Joie; Jones & Trott, Archts., 433½ Main St., Greenville, S. C.

S. C., Georgetown—Georgetown Times Publishing Co., incorporated; C. B. Colbert, W. F. Dean.

S. C., Spartanburg—Spartanburg Warehouses, Inc., capital \$50,000, chartered; J. W. Bell, Pres., West Main St.

Tenn., Chattanooga—Ideal Clothing Co., 7 E. 16th St., increased capital to \$50,000.

Tenn., Fayetteville—Pylant Hatchery, capital \$10,000, incorporated; J. A. Moores, J. M. Eakin.

Tenn., Humboldt—Publishing—Rooks Brothers, Editor of the Courier-Chronicle, will erect 20x50-ft. addition to building, 1-story and basement, daylight construction, used for composing rooms; improve printing plant—installing multi-magazine linotype, etc.

Tenn., Memphis—Napertine Chemical Co. of Tennessee, capital \$10,000, incorporated; R. E. Blake, 1277 Forrest St.

Tenn., Tullahoma—John W. Harton, Capt. B. H. Wilkins and associates reported, interested in proposed development of pleasure resort, build artificial lake, etc.

Tex., Austin—Overalls, etc.—W. S. Brown, 710 W. 21st St., contemplates establishing garment factory, install twenty machines; probably increase later.

Tex., Cisco—Lake Cisco Amusement Co., F. E. Hasser, Sec., will erect concrete swimming pool, bathhouse, small pavilion; cost \$25,000; plans being prepared.*

Tex., Dallas—Surf Cap Co., 934 Lancaster Ave., capital \$100,000, incorporated, Chas. E. Logan, Pres.

Tex., Dallas—Carreard Parisienne Bakery Co., capital \$80,000, incorporated; Victor Naggiar, S. W. Life Bldg.

Tex., El Paso—El Paso Printing & Engraving Co., capital \$12,000, incorporated; E. E. Wester, J. G. Braly.

Tex., Fort Worth—The Little Theater of Fort Worth, incorporated; H. E. Gardner, Jr., 1320 Lipscomb St.

Tex., Houston—Advertising—Texas Road Marking System, capital \$10,000, incorporated; W. R. Reynolds, Nebraska and Shepherd Sts.

Tex., Houston—Buckley Shoe Co., 315 Main St., capital \$45,000, incorporated; J. G. Buckley, A. A. Buckley.

Tex., Houston—Southern Hotel Supply Co., incorporated; F. S. Henshaw, 2506 Labranch St.

Tex., Houston—Preston Amusement Co., capital \$30,000, incorporated; Nick Gianukos, 5003 Harrisburg Blvd.

Tex., San Angelo—T. Montgomery awarded contract at \$20,000 for San Angelo Standard newspaper plant, 2-story, steel and reinforced concrete; Joseph Pelich, Archt., 213 Waggoner Bldg., San Antonio.*

Tex., San Antonio—Soft Drink—Delaware Punch Co., Granado and N. San Marcos Sts., let following contracts, to J. M. Oldham Construction Co., 135 Porter St., at \$29,000 for new building at San Marcos and Granado Sts., fireproof; to McNair Brothers

for plumbing and heating; to Braden-Hudson Co., 305 E. Commerce St., for wiring; L. Harrington & Co., Engrs. and Archts., Houston Bldg.*

Tex., San Antonio—Contractors—Colglazier & Hoff Co., capital \$60,000, incorporated, C. E. Hoff, 220 Tlnares St.

Tex., Sherman—Warehouse—Everheart Co., Inc., capital \$65,000, chartered; M. C. Everheart, J. P. Everheart.

Tex., Terrell—Machinery—The Talley Co., capital \$12,000, incorporated; E. P. Talley, C. E. Hutchinson.

Tex., Terrell—S. & M. Amusement Co., West Moore Ave., W. E. Stallings, Pres., are completing amusement building; cost \$25,000; Smith Bros., Contrs., Kaufman; will install chairs, organ and machines; Heywood, Wakefield Co., 2653 Arlington St., Chicago, Ill.; American Fotoplayer Co., Berkeley, Cal.; Simplex Co., Chicago, Ill., Equipment Constructors.*

Tex., Texarkana—Hotel Grim Co., capital \$150,000, incorporated, Geo. T. Conway, John King.

Va., Roanoke—Electric Appliances—Selected Appliance Co., capital \$15,000, incorporated; J. M. Wilson, 709 Highland Ave.

W. Va., Elkins—Tyre's Ford Amusement Co., Perry J. Cook, 302 Worth Ave., have begun construction of amusement park, erect buildings, bath and boat houses, docks, cottages, etc.; install toboggan slide and various amusement devices. (See Machinery Wanted—Amusement Park Devices.)*

W. Va., Huntington—Twin City Messenger Co., organized by A. B. Cunningham, Henry Brown, 837 Seventh Ave.; acquired newspaper plant; will operate.

W. Va., Montgomery—Peerless Dry Cleaners & Dyers, capital \$10,000, incorporated; Matthew Buster, Greeley Davis.

W. Va., Parkersburg—Danville Publishing Co., Danville, Ill., acquired Ohio Valley Publishing Co. plant, 526 Juliana St.; will operate under Danville-Parkersburg Publishing Co.

Motor Bus Lines and Terminals

Fla., Miami—Ruggles Trucks, Inc., capital \$50,000, chartered; Clark Sloan, R. T. Hancock.

Fla., Orlando—Orange Belt Auto Lines, 4 W. Central Ave., have 10-year franchise for motor bus line; operate 6 busses.

Fla., Winter Haven—Fernwood Land Co., E. Park St., will establish bus service to new subdivisions.

Ky., Frankfort—Frankfort Bus & Truck Line Co. has permit to operate bus line between Frankfort and Louisville.

Mo., Jefferson City—Eastern Auto Livery Co., incorporated; Leon F. Herrmann, Knox Alexander.

N. C., Asheville—A. and B. Coach Lines, Inc., capital \$50,000, chartered; G. E. Luther, W. L. Massie.

N. C., Greensboro—Coach Terminal Co., Phil Sasser, Pres., Raleigh, acquired control of union stations in Greensboro, Raleigh and negotiating for stations in three other cities.*

N. C., Raleigh—C. H. D. Line, Inc., capital \$100,000, chartered; Albert L. Cox, Hayes-Barton St.

N. C., Raleigh—Safety Coach Lines, 134 W. Martin St., C. H. Dickey, Mgr., acquired interests of all bus lines operating over Chapel Hill-Durham route.

Tenn., Knoxville—Pryor Brown Transfer Co., Pryor Brown, Pres., 312 W. Church Ave., let contract to Weaver E. McGill, at \$44,790, for 4-story, 50x117 ft. concrete building, gravel roof, install Otis elevator, motor and shafting; L. M. Daw, Archt., Knoxville.*

Tex., San Antonio—Union Bus Terminal, incorporated; Wallace Rogers, Russell C. Hill.

Va., Norfolk—Co-ordination of electric lines and bus service under management of Virginia Railway and Power Co., 200 E. Plume St., recently acquired by Stone & Webster, Inc., 147 Milk St., Boston, Mass., contemplated, including purchase of all independent bus lines.

Motor Cars, Garages, Filling Stations

Ala., Selma—Hollis-Vaughan Oil Co., incorporated; W. W. Vaughan, Robert Hollis, erect filling station, etc.

Fla., Homestead—C. C. Amos, will erect garage and show room on S. Krome Ave.

Fla., Pensacola—West Florida Sales Co.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

incorporated; J. E. Walsh, Pres.; J. McHenry Jones, Sec.

Fla., Sarasota—Peninsular Motor Co., J. H. Lindner, local Mgr., will soon begin construction of garage and show room at Ninth and Washington Sts., Leo Elliott, Archt., Citizens Bank Bldg., Tampa.

Fla., St. Petersburg—C. M. Roser, 695 Central Ave., will erect garage building, Fourth Ave. and Ninth St.; one story, hollow tile construction, 200x200 ft.; cost \$200,000; occupied by Addison Wheeler.

Fla., Tallahassee—Corporation Service Co., capital \$10,000, chartered; Fred H. Davis, H. Clay Crawford, Jr.

Fla., West Palm Beach—City, Henry Stephens Harvey, Mayor, voted \$35,000 bonds for municipal garage; \$60,000 for truck rollers.*

Ga., Columbus—Woodruff Co. will expend \$18,000 to remodel building on First Ave. for garage.

Ga., Wesley—Crane Chevrolet Co., capital \$10,000, incorporated; W. C. Crane, Lula B. Crane.

Ky., Louisville—Auto Wheel & Rim Service, incorporated; Edward J. Coggeshall, Wm. F. Steinmetz.

Mo., Kansas City—Eastern Auto Livery Co., 3037 Prospect St., incorporated; Leon F. Harrmann, Knox Alexander, Independence, Mo.

Mo., Springfield—Hudson-Essex Motor Co., Paul Oliver, Mgr., 457 St. Louis St., let contract to M. E. Gillon, Monett, Mo., for \$35,000 garage and salesroom on Chestnut St.; 1-story and basement, 75x177 ft., brick and stucco; Hockenlively & Marx, Archts., Landers Bldg.*

Mo., St. Louis—Franke Motor Sales Co., 1397 Hamilton St., will erect \$10,000 addition to salesroom and dwelling; construction by owner; O. J. Krieg, Archt., 1001 Arcade Bldg.

Okla., Blackwell—Max Fife, N. Main St., erect 50x90 ft. garage cor. McKinley Ave. and Main St., and 50x50 ft. filling station.

N. C., Charlotte—C. P. Motors, Inc., capital \$100,000, chartered; W. T. Heath, D. D. Heath.

S. C., Belton—W. W. Shaw of Williamson, S. C., acquired Belton Motor Co., will operate.

Tenn., Nashville—Northern Garage Co. let contract to G. B. Howard & Co., Shelby Ave., for \$70,000 garage on Fifth Ave., 3-story with foundation to carry 5-story, brick and stone; install steam heating system, ramps and all necessary equipment for repair department; Tisdale & Stone, Archts., Independent Bldg.; W. W. Pinson, Jr., Associates, 1501 Sweetbrier Ave.

Tex., Florence—Florence Motor Co., increased capital, \$10,000 to \$15,000.

Tex., Galveston—Myers Motor Sales Co., 218 25th St., capital \$10,000, incorporated; Alvin P. Myers, Katherine Myers.

Tex., Plainview—Magnolia Petroleum Corp. having plans made for new filling station cor. Seventh and Austin Sts.

Tex., San Antonio—M. S. Wright, 325 Dwyer Ave., has permit for \$20,000 garage on Main Ave.

Tex., San Antonio—M. S. Wright, 325 Dwyer Ave., will erect garage at 503 Soledad St., 2-story, 50x103-ft., brick and concrete; to be occupied by Travis Auto Co.

Va., Roanoke—Motor Storage Co., Inc., capital \$20,000, chartered; E. J. Williams, 216 Rutherford Ave.

Va., Suffolk—Woodward & Elan, 113 N. Main St., are erecting brick and metal garage, 36x92 ft.

Va., Suffolk—Autopark Corp., capital \$25,000, chartered; H. L. Jacobs, 109 Wellons St.

W. Va., Huntington—National Tire Exchange, 225 Fourteenth St., incorporated; A. E. Wright, Paul Dennison.

W. Va., Huntington—Auto Air Wash System, organized by Lee D. Newman, 816 Washington Ave., Fred A. Knight, acquired building at 531 Third Ave., will remodel for automobile laundry and storage space for 75 cars; work under way.

W. Va., Star City—Westover Motor Co., capital \$50,000, incorporated; F. H. Wilkins, G. W. Hanley.

Railway Shops and Terminals

Ky., Russell—Chesapeake & Ohio Ry., 825 E. Main St., C. W. Johns, Ch. Engr., Richmond, Va., reported let contract to Banks-Miller Supply Co. for seven carloads of Carey built-up roofing material for railroad roundhouse, power plant and other buildings under construction; B. F. Gatch, 526 Third Ave., Huntington, W. Va., has contract for applying roofing material.*

Mo., Hannibal—Chicago, Burlington & Quincy, A. W. Newton, Chief Engr., 5124 Hyde Park Bldg., Chicago, Ill., reported, construct 4 stall extension to roundhouse.

La., Shreveport—Texas & Pacific Ry. Co., E. F. Mitchell, Chief Engr., 1003 Texas & Pacific Bldg., Dallas, Tex., will soon receive bids for superstructure of machine shop and roundhouse.*

Railways

Va., Norfolk—Seaboard Air Line Ry. Co., W. D. Faucette, Chief Engr., 526 Hampton Place, let contract to Union Switch & Signal Co., Swissvale, Pa., for installation of automatic signal system on main line from Richmond to Hamlet, about 254 mi.; estimated cost \$1,000,000.

Road and Street Construction

Ala., Albany-Decatur—State Highway Comm., Montgomery, plans letting contract soon for Shoals to Albany-Decatur Highway.

Ala., Birmingham—City Comm. let contracts at \$112,821 to pave with asphalt concrete 5 roads and streets: Dunn Construction Co., Chamber of Commerce Bldg.; H. N. Bowdry, 3426 Norwood Blvd., both Birmingham; J. M. Jones, 1310 Glenn Ave., and James Christie.*

Ala., Mobile—Board of City Commrs. receives bids Sept. 3 for paving and storm sewers: 35,460 sq. yds. one course concrete paving, 24,719 lin. ft. concrete curbing; 23,482 sq. yds. sheet asphalt or Warrenite bitulithic, 14,170 lin. ft. concrete curbing, 25,27 sq. yds. concrete gutter and driveways; 14,620 sq. yds. asphaltic concrete, 11,147 lin. ft. concrete curbing, 23,57 concrete gutters and driveways; 29,696 sq. yds. Alabama rock asphalt, 14,470 lin. ft. concrete curbing, 3384 sq. yds. concrete gutters and driveways; 43,207 ft. 6 to 24 in. storm sewer pipe, 275 ft. concrete culverts, 92 manholes, 299 inlets, 126 special basins; plans from Wright Smith, City Engr.

Ala., Montgomery—See Land Development.

Ala., Phenix City—City plans street paving, including paving from Dillingham St. Bridge to Broad St., and from 14th St. Bridge to Third Ave., to Fifth St., to Broad.

Ala., Piedmont—City plans expending \$11,476 to grade, pave, curb and gutter Center Ave. from Smith St. to Southern Ry.; H. P. Harris, Anniston, preparing plans.

Fla., Bartow—Polk County Commrs. receive bids Aug. 25 for 32 mi. roads, culverts and bridges in Special Road and Bridge Dist. No. 12, asphalt over Bartow clay or Florida lime rock base; plans on file or from J. J. Stringfellow, Engr., Lakeland; J. D. Raulerson, Clk.

Fla., Daytona—See Land Development.

Fla., DeLand—Volusia County Commrs. receives bids Aug. 20 for 180,000 sq. yds. brick, concrete or bituminous macadam pavement in Turnbull Special Road and Bridge Dist.; W. P. Wilkinson, Chmn.; N. A. Hotard, Engr., New Smyrna.

Fla., Fernandina—Nassau County plans hard surfacing road from Fernandina, extending State Road No. 13 from Baldwin to Yulee, and pave road between city and Fernandina Beach; contemplates bond election; N. A. Hotard, Engr., New Smyrna.

Fla., Fort Lauderdale—City plans expending \$1,040,000 to pave and repave 30 streets in business section. Address City Clk.

Fla., Groveland—Town, A. W. Newett, Mayor, plans grading, draining, building, rebuilding, paving and hard-surfacing various streets; votes Aug. 18 on \$35,000 bonds.

Fla., Haines City—See Land Development.

Fla., Leesburg—City, D. E. Bivins, City Mgr., plans widening Main St. to 76 ft. from property lines to city limits; also creating East and West Broadway through city limits of Leesburg; W. A. McKenzie, Mayor.

Fla., Live Oak—City plans street paving, including main highways into city from every direction; votes Aug. 25 on \$100,000 bonds.

Fla., Live Oak—Suwannee County plans hard surfacing 5 roads: From Suwanee Springs to Branford; Suwanee Springs along Suwanee River, via Ellaville and Dowling Park to Branford; White Springs, from Live Oak to county line, via Pine Grove; Live Oak to Dowling Park; Live Oak-Mayo Highway to Luraville Bridge; contemplates \$3,000,000 bond election. Address County Commrs.

Fla., Marianna—Statet Road Dept., Tallahassee, let contract to Gillis Construction Co., St. Augustine, to grade State Road No. 1, in Jackson and Washington Counties, from Cottondale to Chipley.*

Fla., Melbourne—City plans paving streets

and laying sidewalks; contemplates bond election. Address City Clk.*

Fla., Monticello—Jefferson County plans improving 222 ml. roads, estimated cost \$1,075,000; contemplates bond issue. Address Chamber of Commerce, Monticello.

Fla., Monticello—Town plans paving streets with asphalt, including courthouse square; voted bonds. Address Town Clk.*

Fla., New Port Richey—Town, Elroy M. Avery, Mayor, let contract to Barnes Construction Co. to pave portions of 5 streets, including Florida, Central; C. E. Snell, Clk.

Fla., Pensacola—City plans grading, paving and curbing streets; votes Aug. 18 on \$150,000 bonds. Address City Clk.*

Fla., Plant City—City, W. C. Wells, Mayor, plans opening and grading streets; votes Sept. 1 on \$10,000 bonds.*

Fla., Rock Harbor—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., Sarasota—See Land Development.

Fla., Tavares—Lake County Commrs., T. C. Smyth, Clk., plans road and bridge building in Special Road and Bridge Dist. No. 11; votes Sept. 8 on \$220,000 bonds.

Fla., Tampa—City Comm., Wm. E. Duncan, City Clk., receives bids Aug. 18 to grade and pave 6 streets, including Emily, Bailey, Citrus Ave., 16,160 sq. yds. asphalt block, 13,432 cu. yds. grading, 10,694 lin. ft. granite curbing; plans from City Engr.

Fla., Verna—City plans street paving; voted bonds; J. T. Hodge, Mayor; G. T. Smith, Clk.

Fla., West Palm Beach—City, Henry Stephens Harvey, Mayor, plans sidewalks; voted \$120,000 bonds; opening streets, voted \$100,000 bonds; Hugh J. Daugherty, Clk.*

Fla., West Palm Beach—See Land Development.

Fla., West Palm Beach—City, C. A. Bingham, City Mgr., let contracts for street paving: Andrews Asphalt Co., Hamilton, Ohio, at \$638,000, for sheet asphalt; Southern Roads Co., 104 N. 17th St., Birmingham, Ala., \$594,000, Warrenite; Southern Materials Co., Southern Trust Bldg., Little Rock, Ark., \$486,000, Warrenite.

Ga., Albany—City, C. Q. Wright, City Mgr., receives bids Aug. 17 for 150,000 sq. yd. street paving, sheet asphalt on clay gravel or cement concrete base; surface treatment on clay gravel base, cement concrete or brick; plans on file and from City Clk.

Ga., Atlanta—City let contract to McDougald Construction Co., Atlanta, at \$9388 to pave Formwalt St. with sheet asphalt.

Ga., Bainbridge—Decatur County plans graveling road east and west through county, by Brinson, Bainbridge, Climax. Address County Commrs.

Ga., Cusseta—State Highway Dept., East Point, receives bids Aug. 7 to surface 7.12 ml. Columbus-Cusseta road, Chattahoochee County, 18,740 cu. yd. clay gravel surface; W. R. Neel, State Highway Engr. (See Machinery Wanted—Gravel.)

Ga., Marietta—State Highway Comm., East Point, will receive bids in about 2 weeks to pave State Highway from Bartow County line to Kennesaw; W. R. Neel, State Highway Engr.

Ga., McRae—City, R. Oberly, City Clk., receives bids Aug. 29 for 15,000 sq. yds. asphalt, concrete or brick pavement, 15,000 sq. yds. two-course concrete sidewalks; plans on file and from O. H. Lang, Engr., Moultrie; Max L. McRae, Mayor.

Ga., Thomasville—Thomas County receives bids Aug. 7 for concrete road from Meigs south on Dixie Highway toward Thomasville. Address County Commrs.

Kentucky—State Highway Comm., Frankfort, receives bids Aug. 24 for 4 roads: Anderson County, 3.418 ml. 16-ft. rock asphalt on concrete or crushed stone base or water-bound macadam, bituminous macadam or reinforced concrete, Lawrenceburg-Graefenburg road, from Lawrenceburg to point near Alton; Breckenridge County, 10.5 ml. 16-ft. bank gravel unrolled, River gravel, type A, or waterbound macadam on Louisville-Paducah, from 5 ml. south of Irvington to the corporate limits of Hardinsburg; Johnson County, 1.752 ml. grade and drain Paintsville-Inez, from bridge over Big Sandy at Paintsville to bridge over Buffalo Creek; Martin County, 9.863 ml., grade and drain, Paintsville-Inez, from Johnson County line to west corporate limits of Inez; plans on file and from Dist. Engrs.

Ky., Ashland—City plans paving Jefferson Ave. with vitrified brick, concrete or Kentucky rock asphalt, with concrete curb and gutter; H. L. Carroll, Clk.; Wm. M. Nicholson, Mayor.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Ky., Carlisle—State Highway Comm., E. N. Todd, Engr., will receive bids soon to grade and drain 2 mi. Carlisle-Moorfield road, from Cane Run Pike, Nicholas County.

Ky., Maysville—Mason County receives bids Sept. 21, for rebuilding and hard surfacing roads; voted \$350,000 bonds; Jas. H. Rees, County Atty.*

Ky., Owensboro—Davies County let contract to G. W. Robinson for 4.03 mi. grade and drain on Owensboro-Beach Grove road. Address County Commrs.

Ky., Pineville—State Highway Comm., Frankfort, plans road from Middlesboro to Fonde via Stony Fork; also completing road from Pineville to Ashland.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids August 25 for 5 roads: Terrebonne Parish, 3.31 mi. gravel and shell Gibson-Chacaboula Highway from Doner to Chacaboula; Vernon Parish, 11.79 mi. gravel Leesville-Mary, from point 5 mi. north of Leesville to Sabine Parish line through Hornbeck; Jefferson Davis Parish, 4.15 mi. gravel Elton-Kinder from Elton to Allen Parish line; Acadia Parish, 3.03 mi. gravel Church Point-Opeousas; Washington Parish, 7.22 mi. Franklinton-Amite from bridge over Tchefuncta River under construction to point 2.5 mi. southwest of Franklinton; plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted—Gravel and Shell.)*

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 3 roads: De Soto Parish, 12.27 mi. Mansfield-Texas Highway, Alexandria Construction Co., \$73,116; 6.73 mi. Mansfield toward Logansport, Bolton Latimer, Garrison, Tex., \$52,086; Webster Parish, 11 mi. Minden-Springhill, W. D. Harvey Co., Jonesboro, \$52,977.*

La., Baton Rouge—East Baton Rouge Parish Police Jury plans 17½ mi. gravel road in Sub-Road Dist. No. 4, consisting of Istrouma and Suburb Prosperity; voted \$50,000 bonds.*

La., Bastrop—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, receives bids Aug. 20 for 15.4 mi. gravel Mer Rouge-Lake Lafourche Highway, from Mer Rouge through Oak Ridge to Lake Lafourche, Moorehouse Parish; plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted—Gravel.)*

La., Covington—Louisiana Highway Commission, Raymond Bldg., Baton Rouge, receives bids August 18 for 1.599 mi. gravel and shell on Twenty-first Ave., Asia and Boston St., Covington, St. Tammany Parish; plans on file; W. B. Robert, State Highway Engr. (See Machinery Wanted—Gravel and Shell.)*

La., Lake Charles—City, Harry J. Geary, Mayor, receives bids Aug. 31 to pave 23 streets, 80,000 sq. yd. reinforced concrete; E. L. Gorham, Commr. of Streets and Parks.

La., Natchitoches—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for 3 graveled roads in Natchitoches Parish: 3.24 mi. Campit-Goldonna Highway, F. D. Harvey & Co., Jonesboro, \$15,678; 2.62 mi. Natchitoches-Boyece, and 4.7 mi. Robeline-Cypress Highways, Red River Construction Co. of Shreveport, \$36,846.*

Md., Baltimore—Board of Awards receives bids Aug. 12 to grade, curb and pave with cement concrete streets in Cont. No. 295-NA, 16,360 sq. yds.; plans from Bureau of Highways, 214 E. Lexington St.; Stuart Purcell, Highways Engr.

Md., Baltimore—Bureau of Highways, Dept. of Public Works, plans paving 5 streets in Homeland; estimated cost \$54,000; Bernard L. Crozier, Highways Engr.

Md., Rockville—State Roads Comm., 601 Garrett Bldg., Baltimore, received low bid from Loomis-Wetzel Contracting Co., Washington, at \$58,070, for 2 mi. concrete highway from Laytonsville toward Woodfield.*

Miss., Columbus—City plan street paving, including North Ninth St. from Third to Seventh Ave. Address City Clk.

Miss., Laurel—Jones and Newton Counties Board of Suprvs. plan graveling their portions of Laurel-Newton Highway.

Miss., Meridian—City plans opening Fourth St. to Twenty-sixth St.; voted \$20,000 bonds; W. T. White, Clk.-Treas.*

Miss., Philadelphia—Neshoba County Board of Suprvs. let contract to Hart & Faulkner, Satartia, for about 10 mi. hard surfaced road, between Philadelphia and Louisville.*

Missouri—State Highway Dept., Jefferson City, let contract for 22 roads, totaling 120 miles: Adair County, surface 6.042 mi., Peter Simmons, Quincy, Ill., \$123,623; Macon County, Hamilton Hoffman Construction Co.,

Carbondale, Ill., \$80,704; grade and bridge, Adair County, 5.843 mi. Hamilton Hoffman Construction Co., \$24,175; Boone County, 4.222 mi., W. Thompson & Sons, Eugene, Mo., \$64,725; Franklin County, 7.132 mi. Fogelmal & Davidson, Versailles, \$70,102; Macon County, 8.763 mi., Hamilton Hoffman Construction Co., \$36,150; Platte County, .127 mi., L. A. Woods Construction Co., Smithville, \$7425; surface, Andrew County, 4.335 mi., Fred P. Eberhardt Paving Co., Salina, Kansas, \$73,821; Holt County, 4.401 mi., Fred P. Eberhardt Paving Co., \$85,802.

In Nodaway County, 4.875 mi., C. H. Atkinson Paving Co., Watertown, S. D., \$81,909; graded earth, gravel, pavements and bridges, Dunklin County, 5.324 mi., Richmond Construction Co., Advance, \$50,553; Henry County, 7.769 mi., A. W. Moseley, Union Star, \$50,328; 3.710 mi., Midwest Construction Co., Kansas City, \$53,625; Lincoln County, 1.324 mi., C. H. Holmes and Otho Jones, Troy, \$11,565; Linn County, 3.047 mi., P. J. Murphy, Moberly, \$14,337; Monroe County, 9.820 mi., Kelly & Underwood, Granby, \$132,449; Oregon County, 6.966 mi., J. P. Harlin, West Plains, \$49,497; Ozark County, 12.763 mi., Many Brothers and Campbell Brothers, Oklahoma City, \$122,675; Ralls County, 7.174 mi., Cottle, Campbell & Co., Troy, \$51,692; Shannon County, repair bridge, Thomas & Shannon, Bonnets Mills; Scott County, 2.153 mi., C. E. Stoner, Charleston, \$19,807; Warren County, repair bridge, Thomas and Sampson, Bonnets Mills, Wright County, 3.636 mi., J. E. Hartley, Aurora, \$19,008.*

Mo., Cape Girardeau—City, A. P. Behrens, City Clk., receives bids August 8 for grading, macadam and concrete pavements and concrete curbs and gutters on 4 streets, including Frederick and Spring.*

Mo., Clinton—City plans paving Orchard Ave. from Ohio to Allen. Address City Clk.

Mo., Columbia—City plans paving Bass Ave. from College Ave. to Ann St. Address City Clk.

Mo., Hannibal—City, Morris Anderson, Mayor, receives bids about Sept. 1 to resurface various streets; W. Roy Goettler, City Engr.

Mo., Independence—City plans paving N. Liberty St. from College Ave. to Moore St. Address City Clk.

Mo., Jefferson City—City receives bids Aug. 15 for street paving; C. W. Thomas, Mayor; F. E. Ross, Engr.

Mo., Jefferson City—City plans paving Capitol Ave., between Monroe and Madison, with cement concrete; F. E. Ross, City Engr.

Mo., Joplin—City Comm. plans paving with macadam Pearl and Thirty-first and laying concrete curbs on 8th St.

Mo., Kansas City—City plans grading and widening Brookside Blvd., from Fifty-second to Sixty-first St. O. A. Lucas, Judge.

Mo., Kansas City—City let contract to W. C. Mullins Construction Co., 202 Nelson Bldg., at \$18,000, to grade Linwood Blvd. extension, from Main St. to Gillham road. Address City Clk.

Mo., Maitland—City, Harry Kelley, Clk., plans street paving; Shockley Engineering Co., Const. Engr., Graphic Arts Bldg., Kansas City.

Mo., Maryville—City let contract to Cook & O'Brien Construction Co., Kansas City, at \$11,817, to pave Filmore St. between Second and Fourth, and Walnut between Wabash right of way and Twelfth St.*

Mo., Mexico—City plans laying asphaltic cement concrete wearing surface on present brick pavement on 7 streets, including Washington, Woodlawn, Liberty. Address City Clk.

Mo., Sedalia—Sedalia 12 Mile Special Road Dist. Comm. will receive bids for 3 roads: One mi. on E. Sixteenth St., 2½ mi. Quisenberry; 1 mi. State Fair Blvd., from Main to Sixteenth.

Mo., Sweet Springs—City, T. D. Hardwood, Clk., plans street paving; Shockley Engineering Co., Const. Engr., Graphic Arts Bldg., Kansas City.

Mo., Webb City—City, W. F. Gill, Mayor, let contract to Du Buois Construction Co., Pittsburg, Kansas, to pave with concrete, Broadway, Main and Jefferson Sts.; to Independent Gravel Co., to pave with amesite, Second, Liberty and resurface Daugherty St.*

Mo., Webb City—Webb City Special Road Dist. Comm. let contract to Independent Construction Co., Pittsburg, at \$1.95 per sq. yd. for 1½ mi. paving on W. Fourth St.

North Carolina—State Highway Comm., Raleigh, plans 2 roads, Henderson County, from Hendersonville to Horseshoe; McDowell County, Marion to Micaville.

North Carolina—State Highway Comm., Ra-

leigh, receives bids Aug. 25 for 11 roads and one bridge: Gates County, sand asphalt, between Reduco and Gatesville; Duplin County, sand asphalt from Kenansville to Pink Hill; Robeson County, paving from junction, of Routes 20 and 23 to South Carolina line, via Rowland; Durham County, hard surface from Durham city limits to Granville County line; Caswell County, veneer macadam Route 14, from Yanceyville to Virginia line; Montgomery County, hard surface from end Project 557, Route 74 to Wadeville; Rockingham County, grade and bridges, Route 77, from Stokes County line to Madison; Rowan County, from paved street in Salisbury to point in Spencer; from Salisbury to China Grove; Caldwell and Catawba Counties, grade and bridges, Route 77, from Lenoir to Catawba County line; Buncombe County, grade and bridges from New Bridge to Weaverville; Tyrrell County, trestle over Piney Branch.

N. C., Kinston—Lenoir County Commrs. plan expending \$20,000 to \$30,000 for 4 or 5 mi. gravel surface road from junction with Kinston-Elm Grove Highway, southeast of Kinston to Jones County line.

N. C., Monroe—State Highway Comm., Raleigh, plans about 4 mi. hard surface Jackson road from Monroe to Huston.

Oklahoma—State Highway Comm., Oklahoma City, receives bids Aug. 10 for 3 roads, bridge and approaches; 6.16 mi. concrete surface between Blackwell and Tonkawa; 3.08 mi. concrete between Shawnee and Tecumseh; ¾ mi. gravel from Altus north; build approaches to Coyle Bridge, Logan County; repair Bixby Bridge, Tulsa County.

Okl., Tonkawa—City plans 6 blocks of paving in residential section; E. E. Davis, City Clk.

South Carolina—State Highway Comm., Columbia, received low bids for 4 roads and one bridge: Allendale County, 17.22 mi. from old Barnwell road to Allendale, R. S. Ziegler, Estill, \$25,262; McCormick County, bridge on McCormick-Edgefield road, Sherard Construction Co., Calhoun Falls, \$7722; 10.141 mi. Bishopville-Johnsonville, J. W. Houseal and C. E. Teague, 1956 McDowell St., Augusta, \$46,768; Lancaster County, 2.755 mi. old Baines road, A. S. Barron, York, \$15,991; McCormick County, 8.3 mi. McCormick-Edgefield, Houseal & Teague, \$41,807; let contract to Standard Oil Co., Meeting St., of Charleston for \$35,000 gal. oil to surface treat Mauldin-Fountain Inn road, section of Mountains to Sea highway.*

South Carolina—State Highway Comm., Columbia, let contracts for 4 roads and one bridge: Aiken and Lexington Counties; earth, approach to Chiquapin Bridge, on Prosperity-Wagener road, Ago Construction Co.; 11.76 mi. St. Matthews-Eutawville highway from Elloree to point near Vance, Newell Contracting Co., Greenville, \$50,664; Chester County, 3.263 mi. surface Chester-Whitmire, A. S. Barron, York; Lee County, approaches to Scape Oar Swamp Bridge on Bishopville-Sumter road, Hubbard & McGowan, Florence; 100-ft. creosoted timber bridge over S. A. L. Ry., on Chester-Lancaster road, near Fort Lawn, Palmer Construction Co., Florence.*

S. C., Columbia—State Highway Comm. plans extending Wilson highway to American Legion Post, Columbia.

S. C., Greenville—State Highway Dept., Columbia, will receive bids soon for 2 roads: Between end of Buncombe road pavement and Travelers Rest and portion of Greenville-Greer concrete highway.

S. C., Greenwood—Greenwood County Highway Comm., E. I. Davis, Sec., receives bids about Sept. 1 for 12 mi. grading and top-soil surfacing, 61,000 sq. yds. earth and rock excavation, 26,000 cu. yds. sand-clay; also one small concrete culvert and 4 creosoted timber bridges; plans on file.*

S. C., York—York County Comm. plans building 4 roads: Rock Hill to Chester County line; York to McConellsville; York to and into Sharon; York to and into Clover.

Tenn.—State Highway Comm., Nashville, receives bids August 28 for 13 roads totaling 82 mi. and 12 bridges: Gibson County 2.45 mi. cement concrete State Highway No. 5 between Humboldt and Madison County line, alternate bids bituminous concrete surface on combination cement concrete base and edging; Madison County, 7.39 mi. cement concrete State Highway No. 5 between Gibson County line and point 4.6 mi. from Jackson, alternate bids for bituminous surface on combination cement concrete base and edging; Shelby County, 3.97 mi. grading and drainage on State Highway No. 3 between Millington and Tipton County line; also bridge over 20-ft. span.

In Maury County, 5.81 mi. cement concrete State Highway No. 6, between Mt. Pleasant and Rockdale, alternate bids for

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

sheet asphalt on gravel base, and bituminous concrete on concrete base; also 4 bridges over 20-foot span, and one overhead structure; Madison County, 6.78 mi. grading and drainage State Highway No. 1, between Carroll County line and point 7 mi. from Jackson, also 3 bridges over 20-foot span; 3.66 mi. bituminous concrete surface on combination cement concrete base and edging on State Highway No. 42, between Gibson County line and end of Federal Aid Project 29-B, alternate bids for plain cement concrete; Davidson County, 6.68 mi. bituminous concrete surface on combination cement concrete base and edging on State Highway No. 1, between Nashville corporation line and Una, alternate bids for plain cement concrete.

In Obion-Dyer Counties, hauling and dumping 14.75 mi. rock gravel on State Highway No. 3, between Obion and Lane's Ferry; Hamilton County, 1.03 mi. grading and drainage on State Highway No. 27, between Market St. Bridge, Chattanooga, and Stringer Ridge Tunnel; Blount County, 1.22 mi. grading and drainage on State Highway No. 33, between Alcoa and State Aid Project 141; Morgan County, 5.30 mi. grading and drainage on State Highway No. 31, between Sunbright and Scott County line; also 2 bridges over 20-ft. span; Dyer County, 10.10 mi. grading and drainage on State Highway No. 20, between Crockett County line and Federal Aid Project 30-A; also 2 bridges over 20-ft. span; 12.89 mi. grading and drainage on State Highway No. 78, between Dyersburg and Obion County line; plans on file.*

Tenn., Brownsville—City Comm. plans street improvement; voted \$40,000 bonds.*

Tenn., Nashville—City will grade, pave and improve Tenth St. between Broadway and Demonbreun; Hilary E. Howse, Mayor; S. H. McKay, City Clk.; let contract to Kentucky Rock Asphalt Co., Metropolitan Bldg., Louisville, Ky., at \$8.72 per ton, delivered, for 12,000 tons Kentucky rock asphalt.*

Tenn., St. Elmo—City Comm. let contract to Gamble Construction Co., 620 Chestnut St., St. Louis, Mo., at \$21,025, for concrete curbs and gutters and \$10,000 to install storm sewers; J. A. Garden, Engr.*

Tex., Albany—Shackelford County plans 8.18 mi. grading and bridges on State Highway No. 1-A, from Albany west to State Highway No. 18, James E. Perle, Res. Engr.; Richard Dyess, County Judge.

Tex., Anderson—Grimes County plans 8.75 mi. gravel road on State Highway No. 5, Roane Prairie to Walker County line, estimated cost \$115,000; Oscar A. Seward, Engr., Navasota; R. W. Barry, County Judge.

Tex., Angleton—Brazoria County, Damon Dist., plans road south to West Columbia and north through Fort Bend County; voted \$150,000. Address County Comms.

Tex., Austin—Travis County plans grading and bridging 2 roads on State Highway No. 20; 4.84 mi., Austin-Houston, from Manor west, estimated cost \$53,600 and 1.49 mi., Austin-Houston, east from end of Federal Aid Project No. 200; also 6 bridges; two 33 ft. concrete girders, three 20-ft. concrete slab and 37-ft. concrete girder span overpass bridge; O. Leonard, Engr., Box 256; George S. Mathews, County Judge.

Tex., Austin—City plans widening Eighth St.; E. C. Leonard, City Engr.

Tex., Bastrop—Bastrop County plans improving Giddings-Waelder highway, Smithville Precinct, connecting with lower Rio Grande Valley highway at Waelder; voted \$25,000 bonds; J. B. Price, County Judge.*

Tex., Beaumont—State Highway Comm., Austin, let contract to J. B. George Construction Co., Beaumont, at \$33,150 for maintaining roads in Jefferson County and at \$16,550 for Orange County.

Tex., Boston—Bowie County plans grading, bridges and 18-ft. concrete pavement on State Highway No. 47, Texarkana-Index road, estimated cost \$121,285; S. K. Caldwell, Engr., Matz Bldg., Texarkana, S. J. Robinson, County Judge.

Tex., Boston—Bowie County let contract to McGuire and Cavender, Sherman, at \$301,212 for 10.29 mi. 18 ft. concrete State Highway No. 1.*

Tex., Canton—Van Zandt County, S. L. West, County Judge, let contract to F. W. Cawthon and Associates, McKinney, Tex., at \$69,464 for highway maintenance for one year.

Tex., Corpus Christi—City let contract to W. L. Pearson & Co. to pave South Broadway. Address City Clk.

Tex., Cuero—See Land Development.

Tex., Cuero—De Witt County plans county's portion Glacier-to-Gulf highway, toward San

Antonio; Stanley Kulawik, County Judge.

Tex., Dallas—City plans paving Phillips Ave. and Orient St. Address City Clk.

Tex., Dallas—City plans widening N. Olive St. from 40 to 68 ft. between Live Oak and Jacinto Sts.; paving Belmont, Sanger, Boli and Oram Sts.; Maj. E. A. Wood, City Plan Engr.

Tex., Henrietta—Clay County let contract to Tibbetts Construction Co., Fort Worth, for 2 roads: 6.89 mi. State Highway No. 5, \$25,192; 10.24 mi. State Highway No. 50, \$52,823.*

Tex., Hondo—State Highway Comm., Frank V. Lanham, Chmn., Austin, will receive bids within 30 days for 5 rock asphalt roads in Medina County, on San Antonio-Del Rio Road, and 1 in Uvalde County on Sabinal-Knipka road; 11.55 mi. State Highway No. 3, Bexar County line to Dunlay, approximate cost \$75,000; 1.56 mi. from Dunlay to Sta. 685 plus 00, \$10,000; 10.47 mi. from Sta. 685 plus 00 to point near Hondo, \$62,000; 7.85 mi. from Sta. 1312 to point at Uvalde County line, \$47,000; 2.65 mi. from Sta. 1540 to point near D'Haines, \$17,000; Walton & Arneson, Engrs., Gunter Bldg., San Antonio; Uvalde County, 14.16 mi. State Highway No. 3 from point near Knipka to Sta. 1456 plus 07, \$80,000.

Tex., Houston—City, O. F. Holcombe, Mayor, received low bid from Uvalde Rock & Asphalt Co., First Natl. Bank Bldg., San Antonio, to pave Baldwin and Elgin Aves.

Tex., Houston—City, O. F. Holcombe, Mayor, plans repaving Second Ave.

Tex., Jasper—Jasper County plans 12.5 mi. gravel surface on State Highway No. 62, from Buna to Newton County line, estimated most \$100,000; C. P. Hunter, County Engr.; E. A. Seal, County Judge.

Tex., Jordanton—Atascosa County plans 9.08 mi. grading, bridges and bituminous macadam surfacing on State Highway No. 9 from Pleasanton to Live Oak County line; James E. Curnutte, Engr.; E. L. Scott, County Judge.

Tex., Kaufman—Kaufman County plant 10.74 18 ft. gravel surface on State Highway No. 40 from Dallas County line to Brushy Creek, estimated cost \$100,000; S. J. Treadway, Res. Engr., Terrel; Chas. Ashley, County Judge.

Tex., Lampasas—Lampasas County, O. B. Zimmerman, County Judge, plans road from Lake Victor to point on Burnet-Lampasas road, between Burnet and Lake Victor, and on to Lampasas County line.

Tex., Madisonville—Madison County plans 10.176 mi. grading and bridges on State Highway No. 21; A. McCormack, County Engr.; T. Ferguson, County Judge.

Tex., Plano—City plans street paving in residence section; voted \$15,000 bonds. Address City Clk.

Tex., San Antonio—See Land Development.

Tex., San Antonio—City, John W. Tobin, Mayor, plans paving East and West Evergreen St.; I. Ewig, City Engr.

Tex., San Antonio—City, John W. Tobin, Mayor, plans widening Main Ave. from Houston St. 2400 ft. north; estimated cost \$450,000; I. Ewig, City Engr.

Tex., San Benito—City, J. Scott Brown, Mayor, let contract to Dodds & Wedegartner, San Benito, at about \$20,000 for 6000 ft. permanent paving.

Tex., San Benito—City, J. Scott Brown, Mayor, receives bids Aug. 12 for 7800 sq. yds. pavement and 4200 lin. ft. curb; Richard T. Collins, Sec.

Tex., Snyder—Scurry County Comms. Court plans building 3 roads; voted \$650,000 bonds. H. L. Holly, County Judge.*

Tex., Stamford—City receives bids Aug. 7 for about 70,000 sq. yds. pavement; plans from City Sec. and from Engr., 31 Southwest Life Bldg., Dallas, Tex.

Tex., Uvalde—State Highway Comm., Austin, plans grading, foundation and hard surfacing 19 mi. San Antonio-Del Rio road in Uvalde County; B. M. Hodges, County Engr.

Virginia—State Highway Dept., Richmond, received low bids for 2 roads: Prince George County, 2.958 mi. concrete Route 35, south of Petersburg, Alport Construction Co., Mutual Bldg., Richmond, \$91,159; Clarke County, 2.30 mi. bituminous macadam, Route 36, W. H. Clark & Co., Charlottesville, \$67,894.*

Va., Bristol—City, John D. Keeler, Jr., City Mgr., let contract to Alley Construction Co., Jefferson City, Tenn., at \$85,679, to build street over Beaver Creek, from State to Cumberland St., Kentucky rock asphalt; plans extending street to Piedmont Ave.*

W. Va., Charleston—City, J. O. Summers,

City Clk., plans paving 10 streets and alleys, including Bowen, Orange, Stuart.

W. Va., Clarksburg—Harrison County Court let contracts for 3 roads: Grade, 4 1/4 mi. West Milford to Lost Creek, Fucy Brothers, Weston, \$25,670; 1 1/4 mi. bituminous macadam surface, Meadowbrook to McCandish mines, W. H. Armstrong & Co., 614 Fairmont Ave., Fairmont, \$22,219 for bark slag and oil; 1 1/4 mi. concrete surface, Peora to Wyatt, Ferguson Brothers, Shinnston, \$33,957.*

W. Va., Harrisville—Ritchie County let contracts for 2 roads: Grade 4 mi. road from Smithville toward Macfarlan, on Staunton and Parkersburg pike, C. E. Price, 2750 Division St., Huntington, \$36,516; grade road from top of Long Run hill to Smithville, J. C. Cooper & Co., \$114,902.

W. Va., Marlinton—State Road Comm. of West Virginia, Charleston and Pocahontas County Court, receive bids Sept. 1 for 3.58 mi. bituminous macadam Durbin-Bartow road from bridge over Greenbrier River at Durbin, to Bartow; plans from H. R. Anderson, Div. Engr., State Road Comm., both Charleston, and S. L. Brown, County Clk.

W. Va., Princeton—Mercer County Court receives bids August 25 for road from Washington St., South Bluefield to Abshires' Gap, Bland County, Virginia line, 42,500 cu. yd. excavation; plans from L. T. Cadle, County Road Engr.

Sewer Construction

Ala., Mobile—See Road and Street Construction.

Ala., Montgomery—See Land Development.

Ala., Montgomery—City, Wm. A. Gunter, Jr., Mayor, will soon call for bids for construction of southern outfall sewer.*

Ala., Selma—City Council will soon let contracts for 2 trunk line sewers; W. O. Crisman, Engr.

Ala., Sheffield—City let contract to Sullivan, Long & Hagerty of Bessemer, for installation of storm sewers.*

Ark., Russellville—City let contract to Rowan & Rickard, Pine Bluff, for 40 blocks of sewers.*

Fla., Daytona—See Land Development.

Fla., Delray—City has plans by Butler, Barnett & Taylor, City Engrs., for complete sewerage system.

Fla., Jacksonville—City let contract to W. L. Lockmen, Jr., at \$400,000 for construction of first block of sewer system to cost ultimately \$3,000,000; Fuller & McClintock, Engrs., 170 Broadway, New York.*

Fla., Kissimmee—See Land Development.

Fla., Live Oak—See Water Works.

Fla., Miami—See Land Development.

Fla., New Port Richey—City votes Aug. 18 on \$10,000 bonds for installation of storm sewer, \$40,000 sanitary sewer bonds; let contract to Barnes Construction Co., for storm sewer on Nebraska Ave.; Elroy M. Avery, Mayor.*

Fla., Pensacola—City votes Aug. 18 on \$120,000 bonds for extending sanitary sewer system; \$40,000 for improving storm sewers; \$50,000 for water works; \$20,000 for parks; \$100,000 for golf course. Address The Mayor.

Fla., Plant City—See Water Works.

Fla., Rock Harbor—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., Vero Beach—City, H. G. Redstone, Clerk, receives bids Aug. 27 for sludge digestion sewerage disposal plant. (See Machinery Machinery Wanted — Sewerage Disposal Plant.)

Fla., West Palm Beach—See Land Development.

Fla., West Palm Beach—See Water Works. Ga., Macon—Cherokee Brick Co., Waterville Road, contemplates constructing sanitary sewer at plant.

Md., Baltimore—City, Milton J. Ruark, Sewerage Engr., receives bids Aug. 12 for sewer construction. (See Machinery Wanted—Sewers.)

Miss., Meridian—City voted \$25,000 bonds for sewer extension. Address The Mayor.

Miss., Waynesboro—City let contract to R. T. Myers Construction Co., Meridian, for

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

sewers; to Concrete Pipe Co., Inc., 2200 Euphrosine St., New Orleans, La., for pipe; Henry A. Mentz, Const. Engr., Hammond, La.*

Mo., Jefferson City—City has had surveys completed by Black and Veatch, Mutual Bldg., Kansas City, Mo., Engrs., for sewer system; will probably vote on \$100,000 bonds.

Mo., Kansas City—Board of Public Works let the following contracts for 6 sections of Blue Valley sewer: To Torson Construction Co., Kansas City, Kansas, at \$728,471, for Section A and \$248,719 for Section F; to List and Weatherby, at \$417,062, for Section B; to A. L. Patterson & Co., at \$263,331; to W. C. Mullins Construction Co., 202 Nelson Bldg., at \$263,331, for Section D and at \$240,804 for Section E; Black & Veatch, Engrs., Mutual Bldg.*

Mo., Senath—See Water Works.

Mo., Webster Groves—Clarence R. Comfort, and associates interested in forming Sewer Dist No. 1, in Des Peres section and construction of \$3,000,000 sewer system.

N. C., High Point—Henry D. Perry has contract at \$58,000 for sewer system.*

Okla., Elk City—City voted \$136,000 sewer bonds; Benham Engineering Co., Engrs., 512 Gumbel Bldg., Kansas City, Mo.

Tenn., Clinton—See Water Works.

Tenn., North Chattanooga—City, W. S. Beck, Mayor, opens bids in Sept. for 100,000 ft. of sewers and 45 fire plugs; estimated cost \$100,000; surveys being made by Cushman-Fairleigh Engineering Co., James Bldg., Chattanooga.*

Tenn., South Fulton—City voted \$40,000 sewer bonds. Address The Mayor.

Tenn., St. Elmo—See Road and Street Construction.

Tenn., Winchester—City, R. J. Shasteen, Mayor, receives bids Aug. 27 for sewer system. (See Machinery Wanted—Sewer.)

Tex., Canyon—City let contract at \$12,818 to Roy Irick Construction Co., Plainview, for extension of sewer system.*

Tex., Cuero—See Land Development.

Tex., Dallas—City let contract to R. J. Estep & Co., 6631 Gaston St., for storm sewers, cost \$20,410.

Tex., Hamilton—City voted \$60,000 sewer bonds, Kock & Fowler, Const. Engrs., 606 Central Bank Bldg., Dallas.*

Tex., San Augustine—City Council receives bids Aug. 10 for sanitary sewer. (See Machinery Wanted—Sewer.)

Tex., San Antonio—See Land Development.

W. Va., Beckley—See Land Development.

W. Va., Charleston—A. I. Kidd is lowest bidder for sewer system.

W. Va., Martinsburg—City let contract to M. Cox for installing sewer system on W. Stephens St.

Telephone Systems

Fla., Hollywood—Broward Utilities Co., C. B. Moody, Mgr., let contract to Hollywood Construction Co. at \$25,000 for telephone exchange building, 2-story, 40x90-ft.; install \$150,000 equipment, including 4200 line switchboard, one 600 line P.B.X., two 300 line P.B.X., necessary tables, telephone sets, etc., furnished by Western Electric Co., New York City.*

Fla., Miami—Western Union Telegraph Co., H. B. Johnson, Mgr., will expend \$30,000 on improvements.

Fla., Miami—Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., let contract to John H. Morgan for office and central station; total cost of building and improvements to general service about \$70,000.*

N. C., Asheville—Southern Bell Telephone & Telegraph Co., main office Atlanta, Ga., contemplates expending \$500,000 in western part of state.

W. Va., Wheeling—Chesapeake & Potomac Telephone Co., 1501 Chapline St., let contract to Engstrom & Co., 1117 Chapline St. for erection of telephone exchange building; 2 story and basement, brick and stone structural frame, fire proof floors, 50x60 ft., cost \$75,000; McKenzie, Voorhees & Gaelin, Architects, Peoples Insurance Bldg., Washington, D. C.

Textile Mills

Ala., Andalusia—Brown Manufacturing Co., capital \$50,000, incorporated; L. E. Brown, Pres.; G. W. Ethridge, Sec.; will manufacture athletic underwear; install 50 to 75 machines. (See Machinery Wanted—Underwear Machinery.)

Ala., Huntsville—Erwin Manufacturing Co., capital \$50,000, incorporated; J. F. Chambers, Pres.; will manufacture knitted garments.

Ala., Ozark—Ozark Cotton Mill has been acquired by C. A. O'Neil of Andalusia; will incorporate Dale Cotton Mills; improve plant for manufacture of yarn and cloth.

Ga., Calhoun—Echota Cotton Mills will erect 2-story, 100x100-ft. plant addition for slasher room.

Ga., Macon—Bibb Manufacturing Co., W. T. Anderson, Pres., Shirley Hills, voted to issue \$5,000,000 in preferred stock.*

Ga., Tifton—Tifton Cotton Mills, let contract to W. H. Spooner, for construction of 100x125 ft. addition to mill; cost \$20,000 exclusive of machinery; increase capacity to 7200 spindles.

N. C., Cherryville—Rhyne-Houser Manufacturing Co., D. E. Rhyne, Pres., install 5000 spindles, erect additional mill buildings and tenant houses.

N. C., Durham—Yarborough Mills, Inc., A. J. Pollard, Pres., Holloway St., let general contract to N. Underwood, for construction of mill; to Rockwood Sprinkler Co., 134 S. LaSalle St., Chicago, Ill., for sprinkler system; to American Moistening Co., 251 Causeway, Boston, Mass., for humidifiers; Huntington & Guerry, S. Main St., Greenville, S. C., for wiring; Saco-Lowell Shops, 77 Franklin St., Boston, Mass., for preparatory machinery; Crompton & Knowles, Worcester, Mass., for looms; Curtis and Marble Machine Co., Worcester, Mass., for finishing machinery; construction, concrete base, brick up to windows, steel sash, full daylight construction, monitor top; install individual motor for each loom; plant ready for operation Oct. 1.*

N. C., Ellenboro—Ellenboro Manufacturing Co., capital \$100,000, incorporated with W. H. Belk, Pres., Hawthorne Lane, Charlotte; will erect plant with daily capacity of 2000 lb. of yarn; main building 75x250 ft.; brick; install 2500 spindles; electric steam plant; cost of mill machinery \$40,000.*

N. C., High Point—High Point Chamber of Commerce, F. J. Sizemore, Sec., advises: "Endeavoring to interest outsiders to establish mercerizing plant here, 14 hosiery mills in High Point are using large quantities of mercerized yarn."

Okla., Oklahoma City—Chamber of Commerce, E. Overholser, Pres., reported in negotiating with C. R. Miller Manufacturing Co., McKinney, for establishment of \$600,000 textile mill.

Tenn., Chattanooga—J. E. Sirrine & Co., Engrs., Greenville, S. C., advises: "Plans for building for Central Franklin Process Co., were released to contractors July 25 and bids will be called for in about 2 weeks; building will be used for designing and finishing of yarns and consist of dye plant and finishing and shipping building; also steam plant in connection with the building supplying steam for process work; standard mill construction, steel, reinforced concrete with brick walls.*"

Tenn., Knoxville—Knoxville Knitting Mills, White and Second Sts., will erect \$10,000 plant addition, Gill St.; A. H. Whisman, Contr., 2346 Magnolia Ave., will supervise construction; A. B. Bauman & Son, Archt.

Tenn., Johnson City—American-Bemberg Co., a Delaware corporation, capitalized at \$17,500,000, said to be represented by Wolf, Strauss & Co., 65 Madison Ave., New York City, will establish rayon plant here, announces J. W. Ring, Pres., Chamber of Commerce; 1200 acre site on E. T. & W. Ry.; New York interests include Herbert Lehman, Jacob Straus, Dr. Arthur Morhwurf, Jacques Hartoga and Myron Falk.

Va., Winchester—George Dunham acquired Winchester Woolen Mill; will organize company to operate.

Va., Winchester—Arthur G. Jones Woolen Mills Corp., chartered; Arthur G. Jones, Max Krel.

Water Works

Ala., Montgomery—See Land Development.

Ark., Paris—City reported to expend \$73,000 for filter plant and water works improvements; Ford & McCrea, Engrs., 220 Gazette Bldg., Little Rock.

Fla., Daytona—See Land Development.

Fla., Fort Pierce—City, C. E. Cahow, Mayor, receives bids Aug. 12 for water works improvements. (See Machinery Wanted—Water Works.)

Fla., Groveland—City votes Sept. 8 on \$40,000 water works bonds and \$10,000 park bonds; A. W. Newett, Mayor.

Fla., Kissimmee—See Land Development.

Fla., Live Oak—City votes Aug. 25 on \$125,000 bonds for water works, sewers and paving. Address Mayor Strickland.

Fla., Miami—See Land Development.

Fla., New Port Richey—City votes Aug. 18 on \$100,000 bonds for installation of water works; Elroy M. Avery, Mayor.*

Fla., Plant City—City, J. L. Causey, Clk., votes Sept. 1 on \$160,000 water works bonds, \$30,000 sewer bonds, \$18,000 for drainage, \$5000 for cemetery improvements; \$25,000 for white way, \$15,000 for park.

Fla., Pensacola—See Sewer Construction.

Fla., Rock Harbor—See Land Development.

Fla., St. Augustine—See Land Development.

Fla., Sarasota—See Land Development.

Fla., Tampa—City will expend \$250,000 for water works improvements. Address the Mayor.*

Fla., Verna—City voted bonds for lighting plant, water works; J. T. Hodge, Mayor.

Fla., West Palm Beach—City voted \$275,000 bonds for water and sewers; Hugh J. Daughtery, Clk.*

Fla., West Palm Beach—See Land Development.

Md., Salisbury—City opens bids Aug. 20 for pumping station equipment; F. H. Dryden, Ch. Engr. (See Machinery Wanted—Pumping Equipment.)

Miss., Greenwood—City contemplates extension of water mains. Address The Mayor.

Mo., Senath—City voted \$68,000 bonds for water works and sanitary sewers; B. O. Bennett, Engr., Caruthersville.*

N. C., Asheville—City Commrs. instructed Frank L. Conder, to proceed with preliminary survey for water works improvements.*

N. C., Raleigh—City, E. E. Culbreth, Mayor, receives bids Aug. 26 for water works equipment. (See Machinery Wanted—Water Works Equipment.)

Okla., Apache—City reported having preliminary plans prepared for well, pump, cast iron water mains. Address the Mayor.

Okla., Blackwell—See Electric Light and Power Plants.

Okla., Carter—City, G. C. Mitchell, Clk., reported to vote on \$20,000 bonds for water works.

Okla., Chandler—City reported to have survey made by Holway Engineering Co., Engrs., 503 Wright Bldg., Tulsa, for water works extensions.

Okla., Comanche—McCall Engineering Co., Amicable Bldg., Waco, reported has contract for water works improvements.

Okla., Dewey—City reported to improve water works. Address the Mayor.

Okla., Okemah—City opens bids Aug. 7 for water works extensions; cost \$200,000; V. V. Long & Co., Engrs., 1300 Colcord Bldg., Oklahoma City.

Okla., Walters—City voted \$16,000 bonds for water works. Address the Mayor.*

Tenn., Chattanooga—See Land Development.

Tenn., Clinton—City, G. C. Medaris, Mayor, authorized issuance of \$105,000 water works bonds, \$60,000 for sewers; water supply to come from springs to be pumped to reservoir; elevation 200 ft. additional will be made to present distribution system; approximately 6 miles of sanitary sewers contemplated.

Tex., Big Springs—Montgomery & Ward, Engrs., City National Bank Bldg., Wichita Falls, will soon receive bids for water works improvement; \$30,000 bonds available.*

Tex., Corpus Christi—City let contract to International Filter Co., 333 W. 25th Place, Chicago, Ill., at \$35,000 for equipping 3 filter units at Calallen; N. Werenskiold, Const. Engr., Marvin Bldg., Dallas.*

Tex., Cuero—See Land Development.

Tex., Floresville—City votes Aug. 18 on \$40,000 water works improvements. Address the Mayor.

Tex., Greenville—City, will expend \$400,000 for water works improvements and enlargement; install service pump and filtration plant; opens bids Aug. 24 for 1,000,000 gal. reservoir; also lay 9000 ft. of 16 in. bell and spigot cast iron mains; J. H. Rush, Engr.*

Tex., Greenville—City, Mord C. Hale, Clk., receives bids Aug. 24 for reservoir, channel and canal improvements. (See Machinery Wanted—Water Works.)

Tex., Houston—City received low bid at \$138,000 from L. L. Winans & Co. for con-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

struction of 4,000,000 gal. water reservoir for central plant.*

Tex., Palestine—City, J. C. Duncan, Water Commr., will extend mains; John Teomer, Engr.; construction by city forces.*

Tex., Richardson—City, T. F. McKamy, Mayor, let contract to E. L. Dalton, Wilson Bldg., Dallas, for water works plant; cost \$45,000; 50,000 gal. concrete reservoir.*

Tex., Richardson—City, T. F. McKamy, Mayor, votes Aug. 24 on \$50,000 bonds for water system.*

Tex., San Antonio—See Land Development.

Tex., San Antonio—City let contract at \$375,600 to McKenzie Construction Co., Bedell Bldg., San Antonio, for construction of Olmos Creek detention dam; S. F. Creelius, Flood Prevention Engr.*

Va., Pulaski—City, let contract to Meadow View Construction Co., Meadow View, Va., for construction of water works improvements; Lee H. Williamson, Engr., Charlottesville.*

W. Va., Beckley—See Land Development.

W. Va., Spencer—Spencer Water & Ice Co. let contract to Raymond Equipment Co., Charleston, for extension of water line; erect pump house, pump and motor, lay 8000 ft. of 4-in. cast-iron pipe and install 10,000 gal. capacity tank; cost \$15,000.

Woodworking Plants

Ala., Birmingham—Birmingham Sash & Door Co., J. F. Watson, Pres., 1000 N. 16th St., acquired 240x400 ft. site on N. Ninth Ave., let contract for 275x225 ft. plant, will move machinery from present building and install additional equipment for new and larger plant.

La., Minden—Paul Wallace, Box 81, will establish basket and creel manufacturing plant. (See Machinery Wanted—Basket & Crate Machinery.)

Md., Cumberland—W. R. E. King has under construction \$15,000 barrel factory on Euclid Place near N. Center St., 2-story, concrete block and steel, 100x50 ft.

Mo., New Madrid—Staves—New Madrid Stave Co. rebuilding burned mill, daily capacity 50,000 staves.

Mo., St. Louis—Wood Products—Ponath-Banks Manufacturing Co., capital \$12,000, incorporated; Edward F. Ponath, 5178 Easton St.

N. C., Lenoir—Star Furniture Co., A. G. Jones, Pres., will rebuild burned factory, two 2-story, 70x175-ft. each, and dry kiln with capacity from 125,000 to 140,000 ft.*

S. C., Sumter—Furniture—O. L. Williams Top & Panel Co., capital \$1,000,000, reported will soon begin construction of furniture plant.

FIRE DAMAGE

Ala., Birmingham—Hughes Drug Store and residence, both owned by D. L. Clayton.

Ala., Birmingham—Mountain Top Inn, C. P. Campbell, Propr.; loss \$40,000.

Ala., Birmingham—Home Paint Co., 2015 Fourth Ave., North; loss \$15,000.

Ala., New Hope—Butler & Kennemer's saw mill; loss \$15,000.

Ark., Branch—Sawmill owned by Babe Gattis; loss \$10,000.

Ala., Mobile—Upper floors of Morris & Co., packing house, at 10 N. Commerce St.; loss \$75,000.

Ark., Blytheville—Building occupied by Jackson Motor Co., owned by Aubrey Conway and A. B. Fairfield; also Barnes Ice Co.'s plant; total loss about \$40,000.

D. C., Washington—Shiloh Baptist Church, colored, Ninth and P Sts.; loss \$50,000. Address the Pastor.

Fla., Clearwater—Waller-Martin Co.'s automobile establishment; loss \$12,000.

Ga., Birdie—Storehouse of Will Elder; loss \$10,000.

Ga., Columbus—James Johnson's residence on Whitesville Road.

Ky., Murray—Business building owned by George Overbey; loss \$11,000.

La., Barham—Weber-King Lumber Co.'s sawmill; loss \$300,000 to \$400,000.

La., Crew Lake—Holly Ridge Lumber Co.'s mill.

La., Doyline—Doyline Mercantile Co., Reditt's drug store, Dr. A. C. Hester's office and warehouse owned by Doyline Mercantile Co.; loss \$10,000.

La., Mer Rouge—City Lighting plant; loss \$12,000. Address The Mayor.

Md., Baltimore—Storehouse at Berkshire Road and Canterbury Lane, owned by Blankner Realty Co., Title Annex Bldg.

Md., Chesapeake City—Sawtell Building and Dr. Delmar Smith's residence; loss \$17,000.

Md., Hancock—Warehouse and office building of Maryland Glass Sand Co.; loss \$15,000.

Miss., Corinth—Pocahontas Lumber Co.'s mill.

Mo., Alton—Alton Box Board & Paper Co.'s plant; loss \$150,000.

Mo., Chaffee—City Grocery operated by George Grace, Gately Meat Market, Henry Osborne's store, Mrs. Ed Fisher's confectionery; all owned by J. W. Ingram, Cape Girardeau; loss \$30,000.

Mo., Springfield—E. H. Scholten's residence on Meadowmere Lane, Meadowmere E. of Delaware; loss \$55,000.

N. C., Elizabeth City—Store of W. F. Sawyer on Newland Road; loss \$20,000.

N. C., Francisco—R. W. George's residence.

N. C., Greensboro—N. S. Hunter's residence, Guilford; loss \$10,000.

N. C., Kinston—Hines Bros. Lumber Co.'s plant, Tiffany Ave.; loss \$50,000.

Okla., Sapulpa—Tibbens Gasoline Co.'s natural gas plant; loss \$100,000.

S. C., Sumter—Sumter Veneer Cabinet Co.'s plant; loss \$25,000.

Tenn., Brownsville—Mrs. W. T. Bullfinch's residence, College St. and Wilson Ave.

Tenn., Chattanooga—Skating Rink, owned by L. E. Miller, and other buildings at Werner Park, Charles H. Ziegler, Supt.; loss \$15,000.

Tenn., Clarksville—John McElvoy's residence.

Tenn., Humboldt—Sanitary Bakery, owned by A. B. Noble; Polly Prim Shop, owned by Mrs. M. S. McKnight and Miss Agnes Donovan; beauty parlor, owned by Mrs. George Tatum and Miss Cyrena Elam; loss \$18,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Fla., Panama City—St. Andrews Bay Shrine Club incorporated with H. L. Sudduth, Pres.; \$250,000 capital; will take over M. C. Keith's residence and remodel for club.

Fla., St. Petersburg—Young Men's Christian Assn., care Dr. W. M. Davis, 342 First Ave. North, rejected bids for \$550,000, 100x200-ft., 6-story building, Fifth St. and Second Ave. South; will alter specifications and call for new bids: Woolpert & Brown, Archts., J. Bruce Smith Bldg.*

Ky., Louisville—Apperson Lodge No. 195, A. F. & A. M., is having plans prepared by L. J. Dean, Huntington, W. Va., for 5-story and basement Masonic Temple and hotel; cost \$125,000; will soon call for bids; fireproof, concrete and brick, vapor heat, hotel on three floors to have 50 guest rooms, dining room on first floor, offices and Masonic quarters on fifth floor.

La., Baton Rouge—Fraternal Order of Eagles plans to erect lodge building.

Md., Forest Glen—Knights of Columbus will erect \$20,000, two-story brick building.

Mo., St. Louis—Queen's Daughters, Mrs. A. M. Butler, Chmn., Board of Directors, 3730 Lindell Blvd., will erect \$200,000 building; 4 stories, 120x213 ft., Catharge stone, connected to present structure by inclosed bridge.

N. C., Winston-Salem—Fairview Council No. 19, Jr. O. U. A. M., will erect \$20,000 addition to lodge on N. Liberty St.; 2 stories, 40x100 ft., brick and concrete block.

Va., Norfolk—Salvation Army, Mrs. Geo. M. Wood, Commdr., will erect building on Talbot St.; S. B. Williamson, Law Bldg., low bidder at \$47,470; Wickham C. Taylor, Archt., Citizens Bank Bldg.*

Va., Orange—Ancient Free and Accepted

Tenn., Memphis—Prescott Memorial Baptist Church; loss \$65,000. Address the Pastor.

Tenn., Nashville—Grandview Grocery Co. owned by J. E. Lane, 2505 Fourth Ave., South; homes of Dr. R. L. Hayes and W. T. Mason, at 2501 and 3 Fourth Ave., South; loss \$15,000.

Tex., Bartlett—Kreisman Dry Goods Co., Ritz Cafe, McDonald Garage, Ramsdell store; loss \$75,000.

Tex., Dallas—Mrs. George Clem Gray's residence; loss \$10,000.

Tex., Dallas—Rooming house at 2011 Young St., operated by Patrolman and Mrs. S. G. Garrett.

Tex., Fort Worth—Worth Cafe, 707 Main St.; Quality Inn, 705 Main St.; Congress Barber Shop, 306 Main St.; Jack Uberman, furnishings, 705 Main St.; Elder Dental Parlor, H. Leberman, cigars; Brant's Studio, Carroll-Dobbs Realty Co. and J. A. Majestic, tailor; loss \$40,000.

Tex., Graford—First National Bank; loss \$15,000.

Tex., Groesbeck—Garage owned by W. M. Barnett, loss \$150,000.

Tex., Jasper—J. E. Parker's residence owned by Eastex Land Co.

Tex., Kileen—I. N. McGirk's store, Chanslor Furniture Store and undertaking establishment; all owned by Mrs. Levi Anderson; loss \$20,000.

Tex., Lubbock—Mrs. D. F. Dixon's residence, 15th St. and Avenue Q.

Tex., Mineral Wells—Tubbs Apartment House; loss \$11,000.

Tex., Moody—Alamo Theater, Cormany Hotel, Willig Bros. feed and grocery store, W. W. Witt's tin shop, Hater's garage, A. Garner's grocery; loss \$30,000.

Tex., Oak Cliff (Sta. Dallas)—T. E. Smith's residence, 302 S. Windomere Ave., owned by Ellen Shook, 425 E. 13th St.; loss \$20,000.

Va., Roanoke—School building at Cave Spring; address Roanoke County Board of Education, Salem.

Va., Stony Creek—Henry Cobb's store, 2 stores of M. H. Doble, Richelleu Moss' warehouse, 2 warehouses of W. T. Freeman, Marvin T. Rose's warehouse.

W. Va., Webster Springs—Webster Springs Hotel operated by Dr. W. M. York, Huntington, and others; loss \$150,000.

Masons will erect \$16,000 hall; Holladay & Taylor, Archts., Gordonsville.

W. Va., Barboursville—Ancient Free and Accepted Masons will soon call for bids for \$40,000 Masonic Temple; two and three stories, 42x100 ft., steel, concrete and brick; L. J. Dean, Archt., Simms-Keller Bldg., Huntington.

Bank and Office

Ala., Anniston—Pizitz-Smolian Co., H. A. Chanenson, Local Mgr., will erect six to eight-story office building.

D. C., Washington—Acacia Mutual Life Assn., Wm. Montgomery, Pres., Homer Bldg., is reported to have purchased four-acre tract bounded by New Jersey Ave., D. St., C St. and First St. N. W., Indiana Ave., First and Second and D Sts. N. W., on which is planned to erect \$1,000,000 six-story office building and apartment buildings for 300 employees.

D. C., Washington—Bank of Commerce and Savings, Maurice D. Rosenberg, Pres., Seventh and E Sts. N. W., will be ready for bids about Aug. 15 for remodeling building; plans and specifications at office Milburn, Heister & Co., Archts., Union Savings Bank Bldg.*

Fla., Boca Raton—George W. Harvey Realty Co. will erect administration building. See Government and State.

Fla., Haines City—Growers Commercial Bank, Thos. H. Atkinson, Pres., will erect two-story addition for office suites; elevator service.

Fla., Orlando—Florida Public Service Co., 117 N. Orange St., will remodel office building, Main St. and Central Ave.; 3 stories, brick.

Fla., Orlando—Chamber of Commerce, Harry Leu, Pres., 16 N. Hughey St., will erect building, Central Ave. and Main St.

Fla., Pensacola—Dr. M. A. Lischkoff re-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

ported to erect \$200,000, 3-story office and store building, Palafox St. between Chase and Gregory Sts.; Spanish type, 8 stories on first floor, offices on second and third; also establish eye, ear and throat hospital in building.

Fla., Stuart—Moman-Pruett, Miami, will erect \$10,000 office building on S. Dixie Highway; 2 stories, concrete block, 2 storerooms on first floor.

Fla., West Palm Beach—Prybil & Co., Inc., 52 Vanderbilt Ave., New York City, is negotiating for site at Datura and Clematis Sts. on which is planned to erect 10-story building; first story for arcade, other floors for hotel or office suites.

Ky., Owensboro—Cumberland Telephone & Telegraph Co., Atlanta, Ga., will improve and erect addition to office building, 422 Frederica St.; cost \$20,000.

Mo., Kansas City—W. R. Pickering Lumber Co., 1005 R. A. Long Bldg., will erect office building, 11th and Central Sts.; Shepard & Wiser, Archts., 1208 R. A. Long Bldg.

Okla., Okemah—Drs. Bloss, Pemberton and Spickard will erect \$35,000 Medical Arts Building; brick and tile; M. T. Hardin, Archt., Muskogee.

Tex., Austin—Drs. Z. T. Scott and F. C. Gregg, both 700 Brazos St., are organizing Medical Arts Building Co., which will erect \$250,000 building, E. Seventh and Brazos Sts.

Tex., San Antonio—Max Goodman, San Antonio Club, is reported to erect \$600,000 office building, Houston St. between Broadway and Alamo St.; 12 stories, 26x136 ft., brick, stone and concrete.

Tex., San Antonio—San Antonio Public Service will erect addition to building; cost \$15,000, brick and concrete; Richard Vanderstraten, Archt., Travis Bldg.

W. Va., Moundsville—First National Bank, Thos. S. Riggs, Pres., will soon start construction of building on Seventh St.; brick, steel and concrete.

Churches

Ala., Selma—Central Baptist Church plans to erect building. Address the Pastor.

Fla., Arcadia—Baptist Church contemplates erection \$150,000 building; auditorium to seat 2000. Address the Pastor.

Fla., Chipley—Methodist Church will erect \$10,000 Sunday school annex. Address The Pastor.

Fla., Fort Pierce—Riverside Baptist Church will erect building on Hybiscus Road in Pinewood. Address the Pastor.

Fla., Tampa—Seminole Heights Methodist Church, Hanna and Central Aves., J. G. Bendigfield, Chmn. Bldg. Comm., will erect \$100,000 building, including equipment.

Fla., West Palm—Holy Trinity Episcopal Church, D. F. Dunkle, Chmn. Bldg. Comm., will erect parish house; 35x100 ft., 2 stories.

Fla., Winter Haven—First Presbyterian Church, R. S. Abernathy, Chmn., Bldg. Comm., receives bids Aug. 17 for \$100,000 building; 2 stories, face brick, brick or tile backing, steel trusses, tower copper face, terra cotta trim, wood and concrete floors, concrete foundation; major items to be purchased, seats, glass, organ; Geo. L. Kramer, Archt. (See Machinery Wanted—Building Material.)

Ky., Lexington—Chestnut Street Christian Church, Rev. J. Luther Stone, Pastor, plans to erect \$100,000 building.

Ky., Owensboro—Walnut street Baptist Church, Fifth and Walnut Sts., will erect \$40,000 educational room.

La., New Orleans—Hellenic Church receives bids Aug. 7 through Sol Rosenthal, Archt., Balter Bldg., for 40x100 ft., two-story frame community building; brick and concrete foundation, sheet rock ceilings, Johns-Manville asbestos built roof, electric lights, gas fittings.

Miss., Crystal Springs—Presbyterian Church, G. A. Thaxton, member Bldg. Comm., will soon call for bids for erection building.

Miss., Jonestown—Baptist Church, Rev. D. A. McCall, pastor, will erect building.

Miss., Magee—First Baptist Church, C. J. Kees, Chmn. Bldg. Comm., will receive bids about Sept. 1 for \$25,000 building; 3 stories, brick, concrete floors, rolling partitions.

Mo., Cape Girardeau—First Baptist Church, W. C. Ballard, Chmn., will erect building; R. K. Knox, Archt., 424 H-H Bldg.; bids opened Aug. 1.

Mo., Jefferson City—First Baptist Church, Rev. Paul Weber, Pastor, plans to erect \$100,000 building.

Mo., Kansas City—Westport Methodist Episcopal Church will erect \$100,000 building,

502 W. 40th St. Address The Pastor.

Mo., St. Louis—Wesley M. E. Church, R. A. Lowell, 2917 Greer Ave., will erect \$35,000 building, Emma and Mimika Aves.; one story, 110x55 ft., brick, A. Meyer, Archt., Central Natl. Bank Bldg.

Mo., University City (Sta. St. Louis)—University Methodist Church, 6901 Washington Blvd., Rev. W. E. Sullens, pastor, will erect \$140,000 auditorium; Gothic type, Bedford stone, seat 750; Albert B. Groves, Archt., 314 N. Fourth St.

Tenn., Erwin—First Presbyterian Church will soon begin construction of \$50,000 building. Address The Pastor.

Tex., Dallas—Junius Heights Congregational Church, Rev. J. Lloyd Smith, 5252 Reizer St., Pastor, will erect \$20,000 tile and brick building; C. D. Hill & Co., Archts., Central Bank Bldg.

Tex., Galveston—Trinity Episcopal Church, Rev. Harry M. Kellam, Asst. Pastor, 2216 "H" St., will repair building to include interior remodeling, redecorating, new furniture, lighting, etc.; cost \$20,000.

City and County

Ark., Lonoke—Lonoke County Comsn., J. M. Gates, Sec., receives bids Aug. 24 for \$150,000 courthouse; 3 stories, reinforced concrete, brick and stone; plans and specifications at office H. Ray Burks, Archt., Southern Trust Bldg., Little Rock.

Fla., Coral Gables—City Comsn. will erect \$10,000 home for fire department.

Fla., Miami—Dade County Comms., receive bids about Sept. 10 for \$2,000,000 courthouse and city hall; 25 to 30 stories, 165x165 with tower 75x75 ft., steel frame, terra cotta and granite, tile and marble floors, tile or terrace roof, reinforced concrete foundation, hollow tile, metal doors, steel sash and trim, interior tile, wire glass, vaults, ventilators; bids desired on steel, concrete, terra cotta, steel windows, roofing, etc., about Sept. 10; A. Ten Eyck Brown, Archt., 8-9 Hippodrome Bldg., Miami.

Fla., New Smyrna—Volusia County Board of Commissioners, Saml. D. Jordan, Clerk, will erect courthouse.

Fla., Orlando—City Comms. will not erect fire station at present as lately reported.

Fla., Plant City—City votes Sept. 1 on \$420,000 bonds to include \$25,000 to erect library, \$5000 for armory, \$50,000 for hospital, etc. Address City Clerk.

Fla., Verna—City, G. T. Smith, Clerk, will erect city hall; bonds voted.

Fla., West Palm Beach—City, Henry Stephen Harvey, Mayor, voted \$2,000,000 bonds, including \$11,500 for casino and \$175,000 for central fire and police station.

La., Kenner—Mayor and Board of Aldermen receives bids Aug. 13 for erection town hall and jail.

La., Natchitoches—City Comms. will convert depot into city hall; brick; receiving bids.

Md., Baltimore—War Memorial Building Commission, Harry C. Jones, Chmn., Chamber of Commerce Bldg., plans to expend \$19,000 for pedestal and two sculptured sphinxes, main entrance memorial on Gay St., purchase mural decorative panel balcony memorial auditorium, etc.

Miss., Raymond—Second Judicial Dist., Lamar Puryear, Pres., Hinds County Board of Supervisors, advises alterations to courthouse postponed until September.

Mo., Farmington—Saint Francois County votes Aug. 11 on \$250,000 bonds for fireproof courthouse. Address County Comms.

Mo., St. Louis—Board of Public Service, E. R. Kinsey, Pres., will erect \$200,000 morgue, 15th and Clark Sts.; one and two stories, brick; E. E. Christopher, Archt.; H. Updike, Mech. Engr., all City Hall.

N. C., Hillsboro—Orange County Comms. will erect \$50,000 jail; T. Y. Milburn, Archt., Vickers Ave., Durham.

N. C., Rocky Mount—Nash County Road Comsn. will call for bids for reinforced concrete building to house convicts.

Okla., Arapaho—Custer County Comms., J. E. Keen, Chmn., will erect \$125,000 courthouse.

Okla., Hollis—Harmon County Comms. receive bids Aug. 17 for \$100,000 courthouse and jail; plans and specifications at office Layton, Hicks & Forsythe, Archts., Braniff Bldg., Oklahoma City.

S. C., Woodruff—City Commission, A. J. Cox and others, contemplate erection of city hall.

Tex., Breckenridge—Stephens County, J. W. Hill, Judge, receives bids Aug. 20 for five-story and basement brick, stone and reinforced concrete courthouse and jail building; cost \$400,000 to \$500,000; 160x180 ft., Corinthian Classic type, limestone and terra cotta, quarter sawed oak and black walnut interior trim, 8-ft. marble wainscoting in corridors and main stairs, 2-in. Ohio Flint tile corridor floors, other floors battleship linoleum and maple, elevator; plans and specifications at office Davis S. Castle Co., Archts., 29 Radford Bldg., Abilene, and 1005 Mercantile Bank Bldg., Dallas.

Tex., Houston—City, O. F. Holcombe, Mayor, receives bids Aug. 10 for general contract, plumbing and heating, wire and piling for two-story reinforced concrete fire station; cost \$100,000, 70x81 ft., concrete and wood floors, pile foundation, Barrett roof, hollow tile, Anderson Hale fire doors, wire glass, steel sash and trim, ornamental terra cotta; plans and specifications at office Brickey & Brickey, Archts., 611 State National Bank Bldg.

Va., Potomac—Town, Walter U. Varney, Corp. Atty., voted \$15,000 bonds to erect jail, fire station and auditorium.

Dwellings

Ark., Fort Smith—H. B. Meister, 301 N. 13th St., has plans for C. Reichardt, 2703 Hardi St. for \$10,000, 2-story residence, Wynona Ave., Hillcrest addition; 55x35 ft., cobble stone, tile roof, hardwood floors, concrete foundation, ornamental terra cotta.

D. C., Washington—Edward S. Perot, Jr., Pres., Chapin-Sacks Corp., will erect residence at Woodland Drive and 29th St.

Fla., Bartow—Erle L. Wirt, V.-P., Polk County National Bank, plans to erect residence on shores of Crooked Lake.

Fla., Coral Gables—Gilbert & Mosley, Miami, will erect \$10,000, one-story residence, 800 Avenue Majora; cement block and stucco; two-story garage and servants' quarters.

Fla., Coral Gables—R. V. Tays, Miami, will erect \$15,000 residence, 1022 Salazco St.; two stories, Spanish type, concrete block and stucco; H. George Fink, Archt.

Fla., Coral Gables—F. M. Button, 158 E. Flagler St., Miami, will erect residence, 913 Avenue Majora; cost \$15,000.

Fla., Coral Gables—H. D. Harvel will erect \$10,000 residence, 434 Avenue Alcazar.

Fla., Coral Gables—Miss C. Lewis will erect \$15,000 residence, 1016 Avenue Astoria.

Fla., Daytona Beach—Ribault Corp., H. C. Schulteis, Member, 807 Harvey St., contemplates erection 10 dwellings.

Fla., Lakeland—H. M. Bentley will erect \$15,000 residence in Lange addition.

Fla., Lake Worth—Lauriston Securities Corp. is erecting \$175,000 store and office building, Lake and Dixie Sts.; fireproof, two stories with foundation for four more.

Fla., Miami Beach—Wm. J. Flinn will erect \$24,500, 8-room residence.

Fla., Ocala—E. T. Helveston will soon begin construction three bungalows.

Fla., Ocala—J. C. Johnson will erect \$30,000 stucco and tile residence near Ocala Country Club.

Fla., Pompano—Dr. F. R. Finley, Madisonville, Ky., will erect residence in McNab Pinehurst subdivision.

Fla., Pompano—F. H. Moore, Madisonville, Ky., will erect residence in McNab Bros., Pinehurst subdivision.

Fla., Sarasota—Forrest Adair, Jr., Healy Bldg., Atlanta, Ga., will erect residence, Whitfield Estates.

Fla., Sarasota—J. M. Beasley, Sec.-Treas., Whitfield Estates, Inc., will erect residence.

Fla., Sarasota—Wilkins Cagle, 8 E. Fifth St., Atlanta, Ga., will erect residence.

Fla., Sarasota—D. G. Haley, Pres., Whitfield Estates, Inc., will erect residence.

Fla., Sarasota—E. H. Karman, Jr., will erect residence, Whitfield Estates.

Fla., St. Petersburg—E. L. McGrath Co. will erect 15 dwellings in Arcadia Villa; cost \$7500; C. S. Moss, Archt., 301 Sumner Bldg.

Fla., Tampa—Walter M. Stelle, 345½ Plant Ave., has plans by Franklin O. Adams, Grand Theater, for \$40,000 to \$50,000 residence, Royal Palm Way, Beach Park; Moorish-Spanish type, 8 rooms, reflection pool, sunken gardens.

Fla., Titusville—Titusville Securities Corp. will erect 2-story Spanish-type bungalow.

Fla., Winter Park—Dr. P. L. Graham, Na-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

tional Road, Wheeling, W. Va., will erect residence in Osceola Summit.

Fla., Winter Park—Hughes & Hackney are having plans prepared by Fredrick Wallick, Indianapolis, Ind., for four dwellings in Cloister Grove; cost \$20,000 each.

Fla., Winter Park—J. B. Hunt is reported to erect residence in Lake Snowles Terrace, Sunset Drive.

Fla., Winter Park—Dr. Milford Lyons, Wilmona Lake, Ind., will erect residence in Osceola Court.

Fla., Winter Park—A. B. McCaughey, Chicago, will erect \$25,000 residence.

Fla., Winter Park—A. Shapiro will erect \$10,000 bungalow in Virginia Heights.

Ga., Atlanta—W. R. Furr, Jr., P. O. Box 221, will erect ten bungalows. (See Machinery Wanted—Architectural Plans; Building Material.)

Ga., Atlanta—Miss Catherine Kalaher will erect dwellings at 147 and 160 Sherwood Road and 360 Lanier Blvd.; two stories, brick veneer; total cost \$17,000.

Ky., Covington—T. Wisenall will erect residences at 164 and 165 Park Hills subdivision near Devon Park; cost \$15,000 to \$18,000, English type, brick, frame and stucco, steel sash; C. H. Disque, Archt.

Ky., Paducah—Dewey Payne will erect 2-story Spanish-type dwelling in Suncrest; tile roof; Bryan Rouse, Archt.

Ky., Louisville—Marion C. Eblen will erect \$10,000 dwelling, 2250 Saratoga Drive.

Ky., Louisville—Jacobson & Sons, 1606 First St., will erect 20 frame dwellings, 21 to 94 Vileet Court; \$2000 each.

La., New Orleans—P. J. Earhart, 712 Washington St., will erect \$11,000 double 2-story residence, Seventh and Baronne Sts.; slate roof.

La., New Orleans—W. Mounney, 3820 St. Charles Ave., receiving bids through Morgan D. E. Hite, Archt., Whitney Bldg., for \$25,000, two-story double tile and stucco residence on Versailles Blvd.; tile roof, steam heat, tile baths and floors, metal garage, electric wiring.*

Md., Baltimore—Jos. Gehring, 2133 Denison St., will erect 12 two-story brick dwellings, N. E. cor. Webster and Heath Sts.; cost \$25,000, 2 stories, brick, Carey roof, hot air heat.

Md., Baltimore—J. Edward Murray, Bromo Seltzer Tower, will erect 2½-story frame dwelling and garage on Woodlawn Ave. near Elmhurst Ave.; J. Winthrop Wolcott, Archt., 18 E. Lexington St.

Md., Baltimore—John Otto, 5023 Tioga Ave., will erect six 1½-story frame dwellings, Woodhome Ave. near Harford Ave.; cost \$20,000; asphalt shingle roof, hot air heat; R. C. Brockmyer, Archt., 1665 N. Milton Ave.

Md., Brooklyn (Sta. Baltimore)—Benjamin R. Sale, Dunkirk Road, will erect 14 two-story dwellings, south side Potomac Ave., W. of Ninth St.; also 2½-story building and garage, S. W. cor. Fairmount Ave., N. W. Glenwood Ave.; total cost \$50,000.

Md., Frederick—Stephen A. Bayard, McKeesport, Pa., will erect residence, Maple Park subdivision.

Mo., Clayton (Sta. St. Louis)—W. B. Heard, 4625 Rosa Ave., St. Louis, will erect \$18,000 residence, Westmoor Park; two stories and basement, 27x39 ft., brick; O. J. Popp, Archt., Arcade Bldg., St. Louis.

Mo., Centralia—J. S. Rollins, 720½ E. Broadway, will erect \$15,000 residence and garage, Grasslands addition; two stories, 20x60 ft., stucco on tile; H. S. Bill, Archt., Miller Bldg., taking bids.

Mo., Clayton (Sta. St. Louis)—L. W. Christophel, 766 Kingsland, will erect \$12,500 dwelling, Moorlands addition; 42x59 ft., tile and stucco.

Mo., Kansas City—George Boden will erect dwellings at 3813-17 E. 36th St. and 3212-14-22-24 Cypress St.; cost \$27,000.

Mo., St. Louis—A. H. Borsherd, 4514 Harris St., will erect \$20,000, two-story and basement brick residence, Belleriver Ave., south Natural Bridge; O. J. Popp, Archt., Arcade Bldg.

Mo., St. Louis—Edward Wagner, care M. Boulicault, Archt., Buder Bldg., will erect \$75,000 residence and garage, Lindell Blvd. east Skinner Road; two stories and basement, 90x80 ft., brick.

Mo., University City (Sta. St. Louis)—Wm. Scherrer, 739 Leland Ave., will erect \$35,000 residence and garage, Maryland Terrace; two stories and basement, 40x44 ft., brick; Chas. F. Eltering, Archt., Central Natl. Bank Bldg., St. Louis.

Mo., University City (Sta. St. Louis)—Robt.

H. Dohm, 6619 Kingsbury Ave., St. Louis, will erect \$30,000 residence, University Hall; two stories and basement, 50x60 ft., stucco and brick; B. Howard and M. D. Finley, Asso. Archts., International Life Bldg., St. Louis.

Mo., University City (Sta. St. Louis)—Miss L. A. Wolf, 5420 Dewey St., St. Louis, will erect \$15,000 residence and garage, Vassar St. N. of Delmar St.; two stories and basement, brick; O. J. Popp, Archt., Arcade Bldg., St. Louis.

N. C., Durham—Milburn, Heister & Co., First National Bank Bldg., Durham, and Union Savings Bank Bldg., Washington, D. C., are preparing plans for \$25,000 residence for Doctor Roberson.

N. C., Ellenboro—Ellenboro Mfg Co., J. A. Martin, Sec., will erect number of dwellings for employees; 75x200 ft., one story, brick, wood floors, concrete foundation, felt and pitch roof.

S. C., Taylors—Robt. J. Stephenson is having plans prepared by Jones & Trott, Inc., Woodside Bldg., Greenville, for residence; stone and stucco, oak floors, stone foundation, plaster board. Address Architects.

Tenn., Glendale—Signal Mountain Portland Cement Co., H. J. Weeks, Asst. Gen. Mgr., James Bldg., Chattanooga, will erect 20 bungalows in connection with development of village.

Tenn., Johnson City—Judge S. C. Williams will erect \$22,500 brick veneer residence; Coile & Cardwell, Archts.

Tenn., Kingsport—Borden Mills, Inc., Bertram H. Borden, Pres., will erect 100 dwellings in the Oaks; four, five and six rooms.

Tenn., Memphis—John W. Brown, 742 East St., will erect English-type residence on Trezevant Ave.; Estes W. Mann, Archt., Madison Ave. Blvd.

Tenn., Memphis—Dr. E. F. Simpson, Dental Exchange Bldg., has plans by Estes W. Mann, Madison Ave. Blvd., for residence on Eastmoreland Ave., Kimbrough subdivision.

Tex., Dallas—Butler Realty Co., S. W. Life Bldg., will erect \$25,000, 10-room brick veneer residence, 3517 Blackburn St.

Tex., Galveston—E. W. Taylor will erect \$10,300, five-room brick veneer duplex with garage, Blodgett Park addition.

Tex., San Antonio—W. J. Tarrence, 617 Gunter Bldg., will soon start construction of 100 frame dwellings, Los Angeles Heights; cost \$240,000.

Tex., San Antonio—S. Katz, 1025 San Pedro Ave., will erect \$11,000, eight-room dwelling, Grammercy Place.

Va., Lynchburg—W. K. Barger, People's National Bank Bldg., has permit for two dwellings, Warwick lane between Diuguid lane and N St.; cost \$16,000.

Va., Richmond—George Hinds, 407 N. 34th St., will erect 4-family dwellings, 2212 W. Grace St.; cost \$14,500.

W. Va., Charleston—A. S. Thomas, 1022 Lee St., will erect \$22,000 dwelling and \$3000 garage at 1412 Kanawha St.; dwelling, 36x40 ft., 2 stories and basement, brick, tile and stone, tile roof; garage and servants' quarters.

W. Va., Huntington—F. Middelburg, Ricketts Place, will erect \$75,000 residence on Ridgewood Road, Park Hills; native stone.

Government and State

Fla., Boca Raton—George W. Harvey Realty Co., 9 Datura Arcade, West Palm Beach, will soon begin construction of postoffice building; also administration building.

Okla., McAlester—State Board of Public Affairs, Carl Rice, Chmn., Oklahoma City, will erect \$50,000 women's building at Oklahoma State Penitentiary; built of prison brick with prison labor.

Tex., Port Arthur—Building Committee, National Guard, R. L. Drake, Chmn., Fourth and Vandevort Ave., will soon call for bids for first unit of armory and auditorium; 50x80 ft., cost \$14,000.

Hospitals, Sanitariums, Etc.

Ala., Albany-Decatur—Tennessee Valley Shrine Club will erect \$20,000 annex to Benevolent Hospital; 20 rooms.

D. C., Washington—Bureau of Yards and Docks, Navy Dept., G. A. McKay, Act. Chief, opens bids Aug. 5 for alterations at naval hospital including concrete, brick and stone work, terra cotta pipe duct, ventilating system, marble and tile work, iron and sheet metal work, metal lathing, and plastering, fan and motor, wood door and window frames, painting, kitchen equipment, and plumbing, heating and electric systems; specification No. 5068 at office bureau.

Fla., Coral Gables—Dr. Tallman, Administration Bldg., will erect Tallman Clinic and Hospital, Douglas Road and Coconut Grove Drive; 3-stories, 180x150 ft., 40 rooms, solarium and roof garden; nurses' home of 20 rooms adjoining; Phineas E. Paist, Archt.; plans 16-story hotel upon completion of hospital.

Fla., Pensacola—See Bank and Office.

Miss., Greenville—King's Daughters' Hospital Bldg. Comm. will erect \$75,000 fireproof building; Walter F. Schulz, Shriner Bldg., Archt., Memphis.

Mo., Cape Girardeau—St. Louis Conference, Southern Methodist Church, Dr. A. F. Smith, 2410 Capers Ave., Nashville, Tenn., Chmn., Hospital Board, contemplates erecting hospital.

Mo., Kansas City—Trinity Lutheran Hospital, Rev. Victor Sponge, Pres., 3001 Wyandotte St., is receiving bids through Eklund & Co., Archts., McKinney Bldg., Moline, Ill., for \$200,000 addition; 4 stories and basement, brick and steel; Meyer J. Sturm, Asso. Archt., 708 Church St., Evanston, Ill.*

N. C., Sanatorium—North Carolina State Tuberculosis Sanatorium, Dr. T. W. M. Long, Chmn., Board of Directors, opens bids Aug. 6 for erection Nurses' Home; plans and specifications at office Eric G. Flannagan, Const. Engr., Henderson.*

Okla., Ponca City—Schmidt, Garden & Martin, 104 S. Michigan Ave., receives bids Aug. 7 for 100-room hospital for W. H. McFadden; cost \$250,000, 3 stories, brick and reinforced concrete, tile and composition roof.*

S. C., Columbia—Omar Temple, Ancient Order of Nobles of the Mystic Shrine, C. C. Campbell, 715 Green St., Imperial Potentate, will soon begin construction of orthopedic hospital to be located in Eau Claire; initial unit to be brick, one story, 50x110 ft., cost \$60,000; ultimate plans call for five units.

Tenn., Memphis—Shelby County Commrs., J. A. Reichman, Chmn., Bldg. Comm., will expend \$25,000 for improvements, including city water laid through private pipe line; sprinkler system in building for insane, steam heat, additions to wards for indigent patients, ward for insane negro women, quarters for employees.

Tex., Cameron—Cameron Hospital, Dr. W. R. Newton, Supt., will erect nurses' home.

Tex., Kerrville—J. A. Tyler, 2801 Thomas St., Dallas, promoting erection of Tyler's Four-State Hospital and Nurses' Training School; conducting \$350,000 campaign.

Hotels and Apartments

Ala., Center—J. D. Jordan plans to erect 3-story, brick hotel.

Ark., Fayetteville—Hotel Committee, Dr. A. C. Millar, Chmn., 3816 N. 17th St., Little Rock, considering proposition by J. T. Turk of Southern Building, Inc., Memphis, Tenn., to erect resort hotel.

D. C., Washington—Hotel Driscoll, First and B St., N. W., contemplates erecting 100-room addition. Address the Proprietor.

Fla., Arcadia—Mrs. W. W. Duke has plans in progress for 40x50-ft., Spanish-type, stucco, 4-apartment house, N. Monroe Ave.

Fla., Avon Park—H. A. Winter, J. D. Raab and L. D. Roberts committee for erection of 2-story, 12-apartment building.

Fla., Bradenton—P. D. Agnostino contemplates erecting \$45,000 stone and concrete apartment house, Central Ave.

Fla., Coral Gables—Dr. Tallman, Administration Bldg., contemplates erection of 16-story hotel upon completion of Tallman Clinic and Hospital. (See Hospitals, Sanitariums, etc.)

Fla., Daytona—Leigh & Nickritz, 36 W. 44th St., New York, announced plans for 36-family apartment house.

Fla., Daytona Beach—Schnee & Schnee, Bridgeport, Conn., contemplate erection of \$1,000,000 apartment house.

Fla., Delray—R. P. Endsley purchased Brown homestead, S. Dixie Highway, convert into 20-room hotel; also erect 10-apartment building, N. Dade St.

Fla., Fort Meade—Fort Meade Hotel Co., J. W. Keen, Pres., successfully completed campaign for 100-room hotel.

Fla., Fulford—Fulford Co-operative Trust, M. C. Tebbett, trustee, plans erection of apartment houses.

Fla., Haines City—Eugene C. Bryam, local representative of Frank Bryson, announced \$40,000 steam laundry will be installed in Groves Hotel.

Fla., Hollywood—W. N. Morris, 1911 E. Alleghany St., Philadelphia, Pa., erect 8-family apartment house, Pierce St., this fall.

Fla., Lake City—O. K. Holmes, Mgr. of

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Blanche Hotel, announced plans for 100-room addition.

Fla., Mt. Dora—Lakeside Inn completed plans for addition; Mayor A. J. Waltz interested.

Fla., Miami—G. A. Bivens erect \$25,000, 2-story, hollow tile and stucco, 8-family apartment house, 630 N. W. 37th St.; also \$2000 garage; J. P. Turner Estate, Archts., Burdine Bldg.; R. F. Howell, Contr., 354 S. W. 6th St.

Fla., Miami—Charles Desjardins, 719 N. W. First St., has plans by J. C. Gault, Commercial Arcade, for \$40,000, 3-story, cement block, 18-family apartment building, 719 N. W. First St.

Fla., Miami—D. C. Horgan erect \$24,000, 2-story, cement block apartment house, 325 S. W. Eighth Ave.; J. C. Gault, Archt., Commercial Arcade.

Fla., Miami—E. B. Gladson, 427 S. W. 8th St., has plans by R. A. Preas, Real Estate Bldg., for \$65,000, 3-story, Spanish type, reinforced concrete, hollow tile, and stucco finish 12-family apartment building, S. W. Fourth St. near Eighth Ave.

Fla., Miami Beach—Carl G. Fisher Properties has completed plans by W. F. Brown, Archt., Real Estate Bldg., soon start work on 247-guest room hotel, Dade Blvd. and Meridian Ave.; 23 storerooms and first floor, 2 elevators, Spanish roof garden, 6 stories.

Fla., Miami Beach—Frank Lypsky, representing Chicago syndicate, order W. F. Brown, Archt., Real Estate Bldg., prepare plans for two 80-room hotels and apartment building; hotels at 14th Place and Euclid Ave. and Jefferson Ave., between 10th and 11th Sts.; 14-story office building reported under consideration.

Fla., Miami Beach—L. Gibbon White, Constr. Engr., Haley Hotel, announced plans for \$3,000,000, 10-story, 750-room, reinforced concrete and hollow tile, Spanish type apartment hotel; gypsum block partitions, fireproof, 3 passenger elevators; owner prepared plans and will be Constr. Engineer.

Fla., Orlando—Sligh & Williams erect 5-story, 106x60 ft., \$40,000 building, Hughey St., 5 stories with 35-room hotel above.

Fla., Palmetto—Blais & Paul erect \$30,000 2-story, stucco and hollow tile, 8-apartment building.

Fla., Palmetto—J. W. Nettles let contract August 10 for \$300,000, 3-story, 10-store and 8-apartment building.

Fla., Pass-a-Grille—Grantham Brothers purchased 200-ft. frontage on bay as site for proposed hotel.

Fla., Pensacola—Frank H. Farnham, Detroit, Mich., plans to convert 18-room, 3-story residence into hotel, erect addition and number of bungalows; S. S. Gould, 8925 Dexter St.; Melton Haych and Christ Montross, 5064 Baldwin St., Archts. and Landscape Engrs.

Fla., Plant City—Col. V. B. Collins, Sec. Treas. of hotel organization and Pres. of Chamber of Commerce, announced completion of plans by Frank Winn, Citizens Bank Bldg., and Franklin O. Adams, Archts., 610 North A St., Tampa, for 3-story, semi-fireproof, \$200,000, 100-room community hotel; 105x210 ft., 2 passenger elevators, Spanish architecture, reinforced concrete frame, steel and masonry, stucco outside walls with stone and tile trim.

Fla., Sebring—Sebring Development Co., H. O. Sebring, Pres., soon start work on \$425,000, Spanish type, 4-story, 104-guest room hotel, Pine St. and Oak Ave.; shops on first floor; F. H. Trimble, Archt., 117 N. Main St., Orlando; G. L. Miller & Co., Inc., Hunt Bldg., Atlanta, Ga., and New York, have underwritten \$250,000 bonds.

Fla., St. Augustine—Doretta Hotel, 17 Range St., care Major Douglass Stancliff, expend \$10,000 for improvements.

Fla., Tampa—Frank Bryson, 309 Franklin St., has plans by Hentz, Reed & Adler, Candler Bldg., Atlanta, Ga., and Tampa, for \$250,000, reinforced concrete and steel, 48-apartment building, Suber Royal.

Fla., Tampa—U. B. Quinby, 106-B S. Delaware Ave., of Apartment Building Trust Co., Tampa, announced immediate construction of Chippewa and Warwick co-operative apartments on Chippewa Ave., Davis Islands; reinforced concrete, fireproof walls, ten 16-room apartments in Chippewa and 20 three-room apartments in Warwick.

Fla., Titusville—Mrs. Durland Bennett erect 4-family apartment house.

Fla., Williston—G. L. Jacobs purchased hotel, reported to remodel.

Fla., Winter Haven—Mrs. Laura Gearty, Pass-a-Grille, erect \$50,000, stucco, Spanish type, 12-apartment building, Park Ave. and Taylor St.

Ga., Dublin—J. H. Beacham and Pat Roche announced plans for \$200,000 hotel on Jackson St.

Ga., Valdosta—Lilly Realty Co. and Georgia Realty Co. purchased interest in Long Pond and all of Twin Lakes; plan development, including erection of resort hotel.

Md., Baltimore—Joseph Levy, 2438 Callow Ave., has plans by Stanislaus Russell, 11 E. Lexington St., soon let contract for \$50,000, 3-story, brick, 9-suite apartment building, Callow Ave. near Whitelock St.; 62x75 ft.

Md., Baltimore—C. O. Needle, 3508 Callow Ave., has plans by A. C. Radziszewski, Knickerbocker Bldg., soon let contract for \$40,000, 4-story, brick and steel, 6-store and 4-apartment building, 1600 Madison Ave.

Miss., Ocean Springs—Philip Lazine, Biloxi, purchased Davidson place, announced plans for resort hotel.

Miss., Pascagoula—Harry W. Fitzpatrick, 222 Royal St.; C. C. Baneroff, Hibernia Bldg., and William Nolan, Canal-Commercial Bldg., all new Orleans, La., interested in erection of \$1,000,000 tourist hotel; \$300,000 pledged.

Miss., Pass Christian—Gulf Beach Realty Co., Meyer Eiseaman, 819 Union St., E. Lyle Aschaffenberg, Octaria Apts., and J. W. Billingsley, Interstate Bldg., all New Orleans, La., purchased 585 ft. frontage, reported as site for 400-room hotel.

Mo., Cape Girardeau—J. L. Johnson drawing plans for hotel to be erected on Main St.

Mo., Kansas City—Luther Dade, 1607 E. 26th St., has plans in progress by J. F. Thompson, Mass. Bldg., for 2-story and basement, 38x114 ft., brick, 12-apartment building, 24th and Tracy Sts.

Mo., Kansas City—Mrs. Ray Loeb erect \$25,000 apartment house, 1016-22 Admiral St.

Mo., Kansas City—A. D. Sheldon erect \$20,000 apartment building, 2733-5 Campbell St.

Mo., Kansas City—Progressive Building Co. erect \$100,000, 4-story apartment building, 3521-3 Baltimore Ave.

Mo., Kansas City—Stephen Hightower erect \$20,000, 2-story apartment house, 2434 Vine St.; J. F. Thompson, Archt., Mass. Bldg.

Mo., Kansas City—A. D. Sheldon erect \$20,000 apartment house.

Mo., Springfield—Delham Realty Co., Lewis E. Balson, Pres., purchased Buckingham Hotel and Annex, Kingshighway and West Pine Bldgs., reported to plan replacing with 1000-room apartment building to cost between \$4,000,000 and \$5,000,000.

Mo., St. Louis—A. M. Cornwell, 111 N. Seventh St., soon have plans by Norman B. Howard and M. C. Finley, Interstate Life Bldg., for 7-story and basement, 150x130-ft., brick, 96-suite apartment building, Vandeventer and Lindell Sts.

N. C., Charlotte—Mrs. O. A. Robbins, East Blvd., Extended, soon let contract for 12-apartment wing to Deleda Mansions, under construction.

N. C., Elizabeth City—Hockenbury System, Inc., Harrisburg, Pa., will make survey of hotel needs; B. F. Mitchell, Archt., Seaboard Bank Bldg., Norfolk, Va., submitted plans for 5-story building; C. R. Pugh, Chmn. of hotel committee.

S. C., Greenville—Beacham & LeGrand, Archts., North St., preparing plans for 4-story, 40-apartment building, N. Main St. and Park Ave.; cost \$300,000, including site.

Tenn., Chattanooga—W. P. Dorsey erect \$11,000, 2-story apartment house, 909 Cedar St.

Tenn., Gallatin—W. G. Schamberger presented Chamber of Commerce with plan for erection of hotel on site of auditorium building, Main St.

Tenn., Martin—Park View Hotel leased property adjoining, will remodel. Address the Proprietor.

Tex., Dallas—W. W. Fulghum, 612 Center St., erect \$20,000, 16-room, brick veneer, 4-apartment building, 4608-10 Garland St.

Tex., Dallas—E. G. Holt erect \$10,000, 12-room, brick veneer, 2-apartment building, 5313-5 Reiker St.

Tex., Dallas—Kingard Building Co. erect \$65,000, 72-room, brick veneer, 16-apartment building.

Tex., Dallas—J. J. Matlock erect \$10,000, 16-room, brick veneer, 4-apartment building, 5235-7 Phillips St.

Tex., Dallas—J. R. Zimmerman, 3733 Oak Grove St., erect two 32-room, brick veneer, 16-apartment buildings, 2118-20 St. Paul St.; \$35,000.

Tex., Dallas—W. Fred Cole, 1711 Hubert

St., erect 6 brick veneer, 10-room, \$12,000 apartment houses, 1800 block Summit Ave., East Dallas.

Tex., Greenville—S. H. Reeves has plans by Lindsey & Kilmer, for apartment house on N. Johnson St.

Tex., Plainview—J. C. Goodwin has plans for \$90,000 improvements to Wayland Hotel.

Tex., Plainview—Mrs. Morton plans to erect \$25,000 family hotel, 7th and Austin Sts.

Tex., San Antonio—Ben Katz, 1025 San Pedro St., erect \$12,000, 20-room apartment house, San Antonio Ave., and \$7000, 10-room duplex, San Pedro Ave.

Va., Virginia Beach—Arlington Hotel will be remodeled and enlarged. Address the Proprietor.

Miscellaneous

Ala., Montgomery—C. B. Ireland, Mgr. of Montgomery Gravel Co., Shepherd Bldg., reported to erect \$30,000 brick structure, Montgomery and Catoma Sts.

Ark., Fayetteville—W. E. Williams, 658 S. Cooper St., Memphis, Tenn., plans \$150,000 to \$200,000 Ozark Mountain recreation club; 4 stories, include roof garden, bowling and billiard rooms, ball room, etc.

D. C., Washington—St. Stephens Parish, 2418 K St. N. W., soon have plans by Pierson & Wilson, Washington Loan & Trust Bldg., Ninth and F Sts. N. W., for alterations to convent building.

Fla., Pompano—John Lochman, care Albert C. Storch, Archt., 339 Birmingham St., Pittsburgh, Pa., erect casino on bath house property.

Fla., Sebring—Jack H. Powers, Decatur, Ill., has plans by Stiles & Van Kleek, Architects, Boston, Mass. and St. Petersburg, for 9-hole golf course and Spanish type clubhouse.

Md., Baltimore—Baltimore Country Club, A. G. Gramble, Sec., Club Road, Roland Park, has plans in progress by Wyatt & Nolting, Keyser Bldg., for alterations and additions to clubhouse, Five Farms, Oliver Estate; \$50,000, 2 stories, brick and frame.

Mo., St. Louis—Morgue—Board of Public Service. (See City and County.)

N. C., Goldsboro—W. Frank Taylor interested in erection of clubhouse, 9-hole golf and lake.

S. C., Darlington—Jones & Trott, Archts., 432½ S. Main St., Greenville, presented tentative drawings for proposed community amusement building.

Tenn., Memphis—Abe Goodman, 159 E. Parkway, has plans in progress by E. L. Harrison, Fidelity Bank Bldg., for \$25,000 brick clubhouse, Overton Park, to be donated to city.

Va., Norfolk—Judge Thomas H. Willcox, Pres. of club, 256 Freemason St., announced plans for grandstand to replace one destroyed.

W. Va., Spring Hill—T. J. Robson, 401 Union Trust Bank Bldg., Charleston, receives bids Aug. 17 for erection of clubhouse and swimming pool for Kanawha Country Club and Kanawha Holding Corp.; Crowther & Knapp, Archts., Citizens Bank Bldg., Charleston.

Railway Stations, Sheds, Etc.

Tenn., Crossville—Tennessee Central, H. R. Manby, Ch. Engr., 1913 Blair Blvd., Nashville, reported to erect new depot.

Tex., Brownsville—Gulf Coast Railway, C. S. Kirkpatrick, Ch. Engr., 905 Texas St., Houston, has completed plans by Kelwood Co., Travis Bldg., San Antonio, for Spanish stucco terminal station.

Schools

Ark., Fort Smith—Fort Smith School District Board of Trustees acquired property on B St. as site for proposed Junior High School.

Ark., Hagarville—Hagarville Academy, Burl A. Ramey, Supt., erect 16-room girls' dormitory.

Ark., Hot Springs—Hot Springs Special School District No. 6, Ury McKenzie, Supt. of Schools, receives bids Aug. 29 for fireproof school building, Oak and Olive Sts.; separate proposals for plumbing and heating; plans and specifications may be obtained from Mann & Stern, Archts., A. O. U. W. Bldg., Little Rock.

Ark., Salem—Fulton County Board of Education erect new schools at Liberty Hill, Golden Star, Wasdom Hill and Byron; new rooms will be added to Sturkie and Staten building; plans by State Department of Education, Little Rock.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

D. C., Washington—District Commissioners, Room 309 District Bldg., opened bids for auditorium and wing, 2 additions to Macfarland Junior High School; Schneider-Spleidt Co., 1416 F St., N. W., low bidder at \$105,700; appropriation limited to \$100,000; Skinker & Garrett, low bidders on wing at \$172,000; appropriation \$125,000; A. L. Harris, Municipal Archt., 1728 17th St., N. W.*

Fla., Mission City—Volusia County Board of Public Instruction, DeLand, authorized Board of Trustees Mission City School District purchase site for new school at \$5000, also new site for colored school on Mary Ave. at \$6000; expend \$3500 for repairs to present schools.

Ga., Augusta—Academy Building Commission have plans ready for contractors about Aug. 15 for \$240,000 boys' school building; Scroggs & Ewing, Archts., Lamar Bldg.*

Ga., Brookfield—Brookfield School District votes Aug. 19 on \$10,000 bonds for new school building; address Board of Trustees.

Ga., Chula—Chula Consolidated School District votes Aug. 28 on \$12,000 bonds for enlarging school building and equipping with seats, etc.; address Board of Trustees.

Ga., Milledgeville—Georgia Military College, Dr. E. T. Holmes, Pres., plans \$50,000 improvements; include installation of machinery for wood and sheet metal work, new basketball court, purchase furniture for new grammar school.*

Ky., Paducah—Board of Education call election in Nov. on \$175,000 bonds for improvements, including \$90,000, elementary school; \$50,000, annex or addition to Franklin Junior High and grade school; \$5000, repairs and remodeling Robert E. Lee school; \$10,000, remodeling or enlarging Henry Clay school; \$2000, repairs to Lincoln school gymnasium; \$1000, repairs and remodeling Garfield school; \$10,000, remodeling Washington Junior High.

Ky., Pikeville—Pikeville College Trustees, care James F. Record, receives bids Sept. 1 for completion of Administration Building under construction; bids on all inside work, inside cement work, plastering, all wood work, heating, plumbing, electrical wiring, blackboards, painting, varnishing, etc.; plans and specifications may be seen at Pikeville National Bank.*

La., Breard Springs—Ouachita Parish School Board, T. O. Brown, Supt., receives bids Aug. 11 for erecting frame school building; plans may be obtained from J. W. Smith, Archt., Ouachita Bank Bldg.

La., St. Bernard—St. Bernard Parish School Board selected William R. Burk, Archt., Balter Bldg., New Orleans, prepare plans for \$25,000 school building at Paris Road, Second Ward; 123x65 ft., 1 and 2 stories, hollow tile, brick, wood joist, composition roof, metal ceilings, ventilations, wood and cement floors concrete foundation.*

Md., Baltimore—St. Mary's Seminary, Rev. E. R. Dyer, S. S., Pres., Paca and St. Mary's Sts., has plans in progress by Maginnis & Walsh, Boylston St., Boston, Mass., for 4-story, stone building, Roland and Belvidere Aves.; take bids in spring, 1926.

Md., Berwyn—Prince Georges County Board of Education, Upper Marlboro, opened bids for erecting 4-room addition to elementary school; Thomas & Co., low bidder at \$23,272; Charles M. Lightbrown, Archt., care Board.

Mo., Clark—Board of Education, W. F. Cleeton, Sec., taking bids for \$15,000, 1-story and basement, 37x74 ft. high school and gymnasium; B. C. Elliott, Archt., Mexico, Mo.

Mo., St. Louis—Board of Education, Center School District No. 59, Ira Hale, Pres., 87th and Euclid Sts., has plans in progress by H. D. Pampel, Finance Bldg.

Mo., St. Louis—Washington University, Skinker and Lindell Sts., J. H. Zumbalen, Sec. & Treas., announced \$1,000,000 gift from Charles Rehstock, 3222 Hawthorne Place, providing \$300,000 for erection of building to house department of zoology and biology, balance for endowment.

N. C., Chapel Hill—University of North Carolina soon start work on laundry building.

N. C., Dallas—School Board, R. S. Lewis, Chmn., remodel 6-room house for school, erect new building at close of spring term.

N. C., Kinston—School Board purchased property on Park Ave., North Kinston, as site for \$225,000 High School building; bonds voted; L. N. Boney, Archt., Wilmington.*

N. C., Patterson—Caldwell County Board of Education, Lenoir, erect 8-room, brick school building in Patterson District.

N. C., Raleigh—Textile School of North Carolina State College, Prof. Thomas Nelson,

Dean, selected J. E. Serrine & Co., Greenville, S. C., prepare plans for addition to textile building.

Okla., Stillwater—Board of Directors of Agricultural & Mechanical College, Prof. F. W. Redlich, Sec., erect another unit of athletic field stadium to cost \$10,000.

Okla., Tahlequah—Hon. Jewell Hicks, State Archt., care State Board of Public Affairs, Oklahoma City, preparing plans for \$45,000 gymnasium on campus of Northeastern State Teachers' College, M. P. Hammond, Pres.*

S. C., Greenville—R. L. Meares, Jr., Greenville County Supt. of Education, approved plan to consolidate Paris-Sevier and Billing Springs-Mission school districts and erection of larger buildings.

S. C., Greeleyville—Board of School Trustees, T. W. Boyle, Chmn., receives bids Aug. 8 for erection of auditorium; Lafaye & Lafaye, 1224 Sumter St., Columbia.*

Tenn., Chattanooga—Hamilton County Board of Education has plans by Clarence T. Jones, James Bldg., for 4-room, \$12,000 addition to Sunnyside School building.

Tenn., Clinton—City voted bonds, including \$75,000 for new building or addition to present High School building. Address Board of Education.*

Tenn., Columbia—Maury County Board of Education considering erecting new school in Theta section.

Tenn., Englewood—City voted \$20,000 bonds for completion of high school and auditorium. Address School Board.*

Tenn., Knoxville—Knox County Board of Education, W. W. Morris, Supt., probably let contract Aug. 12 for 4-room and auditorium school building at Vestal.

Tenn., Memphis—Board of Education received bids for erection of Negro Industrial High School; O. E. Bass, 1635 N. Parkway, low bidder at \$174,000; Fischer Heating Co., 367 Adams St., plumbing at \$9144; McCrory Electric Co., 63 S. Third St., electric wiring at \$4032; Schnell & Elmore, Western Union Bldg., heating at \$13,305; Regan & Weller, Bank of Commerce Bldg., Archts.*

Tenn., Nashville—Board of Education, Prof. H. C. Weber, Supt. of Schools, rejected all bids for erection of \$75,000 addition to Tarbox Grammar school; Henry C. Hibbs, Archt., Fourth & First National Bank Bldg.*

Tenn., Nashville—State Department of Education has \$320,000 available for expansion negro normal school.

Tex., Abernathy—Abernathy County Line Independent School District, care F. W. Stern, Sec., opens bids Aug. 12 for 2-story, brick and concrete school building; wood floors, concrete foundation; major items to be purchased include heating plant, desks, chairs for auditorium. Address Sec.; Kerr & Walsh, Archts., Amarillo.*

Tex., Dallas—Board of Education opened bids for addition to Mount Auburn School; R. Russell Stapler, Southwestern Life Bldg., low bidder at \$40,457; Martyn Brothers, 2404 Swiss St., heating \$485 and plumbing \$376; J. M. Johnson, 504 N. Akard St., electrical work, \$843.*

Tex., San Antonio—Westmoreland College, Dick O. Terrell, Chmn., Building Comm., opened bids for erecting 3-story, brick, tile and concrete dormitory; W. C. Thrailkill, 1313 Townsend St., low bidder at \$119,687; Martin Wright, wiring at \$4506; Jud Ormond, plumbing and heating, \$19,832; Adams & Adams, Archts., Builders Exchange Bldg.*

Tex., Somerset—Board of Education, W. H. Koehler, Pres., contemplates erection of gymnasium building.

Tex., Temple—Board of Education, New Consolidated District, contemplates erecting \$40,000 school building near Temple.

Va., Lexington—Virginia Military Institute has plans in progress by Carneal & Johnston, Va. Rwy. & Power Bldg., Richmond, for \$200,000, 3-story, 240x100 ft. gymnasium building; concrete and wood floors, concrete foundation, slag roof, hollow tile, interior tile, metal doors, wire glass, stone trim; A. P. Bruce has contract for excavating foundation.*

W. Va., Bluefield—Board of Education of Beaver Pond District receives bids Aug. 10 for Memorial School building; plans and specifications may be obtained from Mahood & VanDusen, Archts., Room 701, Law & Commerce Bldg.

W. Va., Charleston—State Board of Control, Jas. S. Lakin, Pres., 403 Capitol St., commissioned Warne, Tucker & Patteson, Archts., Masonic Temple Bldg., prepare plans for \$125,000 boys' dormitory at West Virginia Collegiate Institute, near Charleston.

W. Va., Huntington—Marshall College, Dr. Morris P. Shawkey, Pres., Whitaker Hill, remodel 2 residences on 17th St. into homes for Phi Kappa Delta and Theta Rho sororities.

W. Va., Kenova—Ceredo-Kenova School District Board of Trustees has plans in progress by L. J. Dean, Simms-Keller Bldg., Huntington, for \$55,000, 2-story and basement, steel sash, brick and concrete, stone trim school building; 10 classrooms, auditorium and gymnasium, play court and stage combined.

W. Va., Martinsburg—Martinsburg Independent School District Board of Trustees selected Frampton & Bowers, Archts., 412-14 Eleventh St., Huntington, prepare plans for \$300,000 High School building.*

Stores

Ala., Birmingham—R. A. Ferrell erect \$20,000, 2-story, brick store building, 315 Jasper Road.

Ala., Ensley—Goldstein & Cohen purchased lot, Avenue E; reported to erect building.

Ala., Huntsville—Huntsville Auditorium Co., incorporated by E. P. Brack, Pres.; G. N. Robinson, Vice-Pres., and L. L. Laxson, Sec. Treas., erect building on Green St., stores on ground floor, auditorium above.

Ark., Fort Smith—James A. Ward, Jr., Mgr. of Ward Furniture Co., 1200 N. First St., announced plans for extension.

Fla., Coral Gables—C. L. Morris erect \$20,000 store and apartment building.

Fla., DeLand—T. O. Wilson, 109 N. E. Second Ave.; F. H. Selgel, 2330 N. E. Fourth Ave.; Wm. Harrison, 212 N. E. Second Ave., and R. R. Richardson, all Miami, purchased property, W. Indiana Ave.; erect 2 store buildings.

Fla., Haines City—Durham-Florida Corp., James D. Bourne, Jr., 6 Central Arcade, St. Petersburg, has plans and specifications by Wm. O. Sparklin, Fort Myers, for \$125,000, 1-story, Spanish type store and office arcade, between Sixth and Seventh Sts.; half to be built by H. O. Estes.

Fla., Orlando—Yowell-Drew Co., 1-11 S. Orange Ave., expend \$150,000 for remodeling and installing new equipment; 2 new passenger elevators; E. P. Behles, Archt., 1701 York St., Memphis, Tenn.

Fla., St. Petersburg—H. C. Cook purchased site, 31st Ave. and Fourth St., considering erecting business block.

Fla., Tampa—Col. W. F. Stovall, Bay Shore Blvd., and E. W. Hensley, 305 Memorial Highway, contemplate erecting \$275,000, 2-story, store and office arcade, running from Grand Central Ave. to Lafayette St.; B. C. Bonfoey, Archt.

Fla., Winter Park—Crawford & Straley erect store and office building.

Ga., Athens—George E. Deadwyler, Oglethorpe Ave., purchased residence, Milledge and Lumpkin Sts., convert for business purposes.

Ga., Atlanta—Frank T. Pike, Citizens & Savings Bank Bldg., erect \$10,000, 1-story, brick store building, 374-6-8 Euclid Ave.

Ga., Columbus—J. A. Kirven Co., 1136 Broad St., acquired property, reported to erect 3-story building, 12th St.

Ky., Paducah—Rieke Co. department store, Fourth St., care J. C. Rieke, erect new front and change interior, tile floor, etc.

La., New Orleans—L. Feibleman & Co., Ltd., Canal and Carondelet Sts., acquired property, Baronne & Common Sts., contemplate erecting \$2,000,000, 8-story building; Moise H. Goldstein, Archt., Hibernia Bldg.; work to start in 1927.

La., Shreveport—J. R. Herndon erect \$12,000 addition to building, 2400 block Southern Ave.

Md., Baltimore—Howard R. Mason, 8 E. Lexington St., has permit for 3 stores, Hartford Road near Altoona Ave..

Md., Baltimore—Morris Fleishman, Park Heights Ave. and Pinkney Road, has plans in progress by Oliver White, Munsey Bldg., for \$30,000, 1-story, brick, 4-store and bowling alley building, 5226 Park Heights Ave.

Md., Baltimore—Charles L. Kellert, 509 N. Eutaw St., acquired 3-story building, 503 N. Eutaw St.; remodel for business purposes.

N. C., Charlotte—F. E. Robinson, 205 N. Tryon St., erect \$13,000 two brick store rooms, Central Ave. and 7th St.

N. C., Winston-Salem—Wall-Huske Co., 425 Liberty St., erect \$10,000, 20x80 ft., 2-story, brick store building, N. Main St.

S. C., Greenville—Miss Julia Charles,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Masonic Temple, erect \$15,000, 2-story, store, room and office building, 38, 40 and 42 Norwood Place.

Tenn., Memphis—L. D. Block, 1856 Autumn St., and Leo Goodman, 1898 Autumn St., purchased property, Jackson Ave. and Manassas St.; erect store buildings.

Tenn., Nashville—H. G. Hill Co., 500 Second Ave., purchased property Fifth Ave., North and Cedar Sts., reported to erect store building.

Tex., Dallas—Louis Blaylock, 2028 Jackson St., remodel brick store building, 1801-3-5 Main St.; \$36,000.

Tex., Dallas—M. Edelman erect 4 brick stores, 2528-30-32-34 Forest St.; \$12,500.

Tex., Dallas—J. A. Heiskell, 1115 Hampton Bldg., erect \$10,000, brick store buildings, 1201-11 Hampton Road.

Tex., Dallas—D. Rabinowitz, 2535 Forest St., remodel stores in rear, 2000 Ervay St., erect \$20,000 brick garage.

Tex., Lubbock—Max Morris soon start work on 1-story, brick, 3-store building, 13th and College Ave.

Tex., Plainview—A. M. McMillan soon start work on 25x120 ft., brick and tile school building, Ash St.

Tex., Plainview—Fred Northcutt of Northcutt Grocery Co. erect \$10,000, 1-story, brick store building, Broadway.

Tex., Plainview—Shelton and Veigle each plan 2 store buildings on Broadway between 7th and 8th Sts., to cost \$60,000.

Tex., Plainview—O. M. Unger plans to erect \$35,000, 2-story store and office building.

Tex., Port Arthur—Texas Co., 2048 Houston Ave., erect \$17,000, tile and stucco, one-story and mezzanine store building, 2000 Houston Ave.

Tex., Sherman—C. C. Mayhew erect 2 business houses, N. Walnut St., \$40,000.

Tex., Slaton—J. W. Elrod, John Smith, Amarillo, and Walter John reported to erect three brick, 25x90-ft. buildings.

Tex., Waco—Mrs. H. C. Slaughter erect \$16,000, 1-story building, 920 Austin Ave.

W. Va., Richwood—Peter De Gregario soon start work on 2-story, stone business and apartment building.

Theaters

Ala., Mobile—Saenger Amusement Co., J. H. Saenger, Pres., 1401 Tulane St., New Orleans, La. announced immediate construction of \$750,000 theater building, Joachim, Conti and Jackson Sts.; Emile Weil, Archt., Whitney Annex, New Orleans.

D. C., Washington—West Woodridge Theater Co., R. S. Campbell, Pres., 2504 Irving St. N. E., soon have plans by W. S. Plager, 1930 Kearney St. N. E., for \$100,000, 2-story, 55x166 ft., brick, hollow tile and stucco motion picture theater and 2 stores, Rhode Island Ave. and 16th St.*

Mo., Springfield—Grubel Brothers, Kansas City, remodel bank building for theater.

Tenn., Chattanooga—Wiehl Pictures Corp. of Chattanooga, Fred Wiehl, Jr., Pres., James Bldg., planning to erect several motion-picture theaters; \$100,000, seat 1000. (See Machinery Wanted—Motion Picture Theater Equipment and Furnishings.)

Va., Portsmouth—Portsmouth Improvement Co., 407 Court St., Paul G. Blanford, Pres., soon let contract for \$40,000 to \$50,000, 57x112-ft., fireproof theater building; work will be supervised by Charles M. Major, Archt., Commercial Bldg.*

Warehouses

Fla., Miami Beach—Gulf Refining Co. has following permits: \$20,000 warehouse, \$16,000 garages and living quarters, \$5000 pump room, \$3000 office building and \$1500 pump house.

Fla., Tampa—Isaac S. Levy, 308 S. Morgan St., erect \$10,000 warehouse.

Fla., Tampa—Tampa Lumber Co. erect \$15,000 storage building.

Ga., Savannah—Western Electric Co., W. Broad St., acquired brick warehouse, 570 Indian St., remodel.

Md., Baltimore—W. A. Conway, 628 Forrest St., has plans in progress by Harry Michelman, Cockeysville, Md., for \$75,000, 3-story, 60x100 ft., reinforced concrete warehouse, Mullikin St. and Central Ave.*

Md., Baltimore—H. Klaff & Co., 703 W. Ostend St., plans \$60,000, 1-story, 80x109 ft., brick and steel warehouse, Ostend, Pratt and Scott Sts.; J. Lester Barr, Archt. and Engr., 2700 N. Charles St.

Md., Baltimore—Lamm Brothers, 409 N.

Gay St., soon let contract for \$80,000, 4-story, brick and concrete warehouse, Colvin and Exeter Sts.; Kubitz & Koenig, Const. Engrs., Emerson Tower Bldg.

Tex., Dallas—Carr P. Collins, 4720 Gaston St., and associates considering erection of 8-story wholesalers' building, Commerce and Poydras Sts.

BUILDING CONTRACTS AWARDED

Association and Fraternal

La., New Orleans—St. John Masonic Benevolent Assn., Vallette St. and Opelousis Ave., let contract at \$58,000 to Theo. O. Hotard, Socrates and Brooklyn Sts., for lodge building; three stories, 45x95 ft., fireproof, hollow and interior tile, reinforced concrete floors, pile and reinforced concrete foundation, felt on reinforced concrete roof, metal doors, steel sash and trim, ventilators; J. Bodenger, Inc., hot water heat and plumbing; Gus Krough, electric work; Sam Stone, Jr., Archt., 714 Union St.*

N. C., Charlotte—Benevolent Protective Order Elks let contract at \$50,000 to J. P. Little & Sons, 500 Queens Road, for two-story brick and tile building, N. Poplar St. near Seventh St.; 60x95 ft., hardwood and pine floors, concrete foundation, composition roof, dumbwaiter; Walker & Hunter, Archts., 145 Brevard Court.*

Tenn., Morristown—Ancient Free & Accepted Masons let contract to M. C. Caldwell for Masonic Temple; Barber & McMurray, Archts., 425 W. Church Ave., Knoxville.

Bank and Office

Fla., Clearwater—Guaranty Title & Trust Co., let contract for building on Cleveland St.; Roman-Doric type; also store on either side; entire structure 72x115 ft.*

Fla., Coral Gables—Coral Gables Construction Co. has begun construction of \$75,000 Arts Center building, Coconut Grove Drive; Spanish type, 3 stories, 90x127 ft., cement blocks; Phineas E. Paist, Archt., supervisor of architecture for Coral Gables.

Fla., Haines City—J. P. Williams let contract to S. B. Milligan, Haines City, for \$50,000 Professional Bldg., Hinson Ave. and 5th St.; Jas. A. Salter, 102 W. Hargett St., and Edwin Hodgkins, Archts., Raleigh, N. C.*

Fla., Melbourne—Kibbe-Clark Construction Co. has contract to erect 3-story Arcade Realty Bldg., New Haven Ave. to Melbourne Ave.; cost \$75,000.

Fla., Sarasota—Adair Realty & Trust Co., Frank Adair, Pres., Healy Bldg., let contract to Adair & Senter, Healy Bldg., for 12-story office building, site Belle Haven Inn; Pringle & Smith, Archts., Atlanta Trust Bldg., all Atlanta, Ga. (See Hotels and Apartments.)

Fla., St. Petersburg—West Coast Holding Co., H. W. Gilbert, Pres., let contract to Franklin J. Mason, Central Natl. Bank Bldg., for 10-story, \$350,000 office building; granite, limestone and brick with terra cotta trim, tile floors, marble wainscoting; Francis J. Kennard & Son, Archts., Krause Bldg., Tampa; Henry H. Dupont, Asso. Archt., First National Bank Bldg.*

Md., Baltimore—Wilcox & Zeigler, Inc., Monument and Aisquith Sts., let contract to C. C. Watts, 407 E. 25th St., for \$30,000, two-story, brick office building, Gay, Monument and Aisquith Sts.; A. C. Leach, Archt., 411 N. Charles St.

N. C., Charlotte—Turner Realty Co., care Charlotte Bank & Trust Co., let contract at \$17,000 to J. P. Propst, 425 S. Church St., for remodeling building at 3 S. Mint St. for bank and storeroom; C. W. Christian, Meyers Park, heating; Roy A. Page, N. McDowell St., electric lights; Independence Plumbing Co., 29 E. Fifth St., plumbing; Willard G. Rogers, Archt., Latonia Bldg.*

S. C., Charleston—Moneler Electric Co., Church St., has contract for lighting, and Mappus Bros., plumbing, for Omar Temple Wharf, has general contract at \$40,000; 3 stories, brick, slate roof; Simons & Lapham, Archts., 42 Broad St.*

S. C., Columbia—Carolina Steel & Iron Co., Dixie Bldg., Greensboro, N. C., for structural steel for state office building for which George A. Fuller Co., Munsey Bldg., Washington, D. C., has general contract; S. W. Puckett, excavation.*

S. C., Greenville—A. C. Walker, Congress Bldg., let at \$150,000 to Gallivan Building Co., West Washington St., for five-story building on W. Washington St.; fireproof, brick, steel and concrete, 2 elevators; Martin & Ward, Archts., N. Main St.*

S. C., Wellford—Bank of Wellford, Frank C. Rogers, Pres., let contract to Masters

Construction Co., Spartanburg, for one-story building; fireproof vault.

Tenn., Henry—R. B. Christian, Cashr., Peoples Bank & Trust Co., let contract to Richard Aden for 1-story brick and steel building; 27x70 ft., concrete floors, tin and asphalt built-up roof; C. V. Krider & Sons, Archts., Paris.*

Va., Salem—Bank of Salem, R. W. Kime, Pres., 105 Pennsylvania Ave., let contract to Moran & Graham, Roanoke, for building, Main and Market Sts.; one story, brick, stone column front.

W. Va., Huntington—Consolidated Power & Light Co., W. R. Power, Gen. Mgr., Miller-Ritter Bldg., will erect third-story addition to cost \$25,000; remodeling of building under way with Henry Persun, Contr., 606 Seventh Ave.

Churches

Fla., St. Petersburg—Westminster Presbyterian Church, Dr. D. B. Neely, Chmn. Bldg. Comm., let contract to W. Scott Serviss for first unit of building; cost \$25,000; 50x100 ft., reinforced concrete and tile; ultimate plans call for \$275,000 structure; Spencer & Phillips, Archts., Fidelity Bank Bldg., Memphis, Tenn.*

Fla., Tampa—Christian and Missionary Alliance, Box 443, let contract to H. E. Zimmerman, 5001 Branch Ave., for \$20,000 to \$30,000 building; 75x110 ft., 2½ stories, hollow tile, built-up composition roof, concrete and wood floors, concrete foundation, wire glass, ventilators; work started; John Minden, Archt., Box 443.*

Ga., Augusta—St. John Methodist Church, Rev. Rembert G. Smith, Pastor, let contract to Branch & Smith, 334 Walker St., for \$40,000 addition.*

La., Shreveport—Kings Highway Christian Church, Rev. A. Preston Gray, Pastor, 726 Kings Highway, let contract to McConnell & McConnell, Ricon-Brew Bldg., for \$250,000 building; stone, marble and terra cotta; Jones, Roessle, Olschner & Weiner, Archts., Ardis Bldg., Shreveport, and Maison Blanche Bldg., New Orleans.*

Mo., Joplin—First Baptist Church, Rev. R. C. Miller, Pastor, let contract at \$72,000 to John T. Blevins, 22 South 15th St., Fort Smith, Ark., for 72x127-ft. building.*

Mo., Richmond Heights (Sta. St. Louis)—Presbyterian Church, Rev. Elliott, Pastor, 1430 Silverton Place, let contract to W. Boenecke, 6426 San Bonita St., St. Louis, for \$30,000 building; one story and basement, 50x100 ft., brick and limestone; O. J. Popp, Archt., Arcade Bldg., St. Louis.

N. C., Charlotte—St. John's Baptist Church, Mrs. V. J. Guthery, Chmn., Guthery Apts., Purchasing Comm., let contract to W. C. Greenwood, 50 Ravenscroft St., Asheville, representative of Hook & Hastings, Kendleton Green, Boston, for \$10,000 pipe organ.

N. C., Dallas—Methodist Church let contract to E. M. Bell, 223 W. Eighth St., Dallas, construction supt. of Brown-Harry Co., Gastonia, for \$25,000 building; main auditorium to seat 750.

Okla., Kaw City—Methodist Episcopal Church let contracts for \$25,000 building; Millwork, United Sash & Door Co., Wichita; plumbing, Kaw City Plumbing Co.; sheet metal, Connor Sheet Metal Works, Ponca City; wiring, Osage Electric Co., Winfield, Kan.; stone, Jas. Gammie & Son, Ponca City; brick, Coffeyville Vit Brick Co., Coffeyville, Kan.; steel, Western Iron & Foundry Co., Wichita; one story and basement, 50x80 ft., brick, concrete foundation, oak floors; G. J. Cannon, Archt., Ponca City.*

Okla., Okmulgee—St. Anthony's R. C. Church, Rev. Urban de Hasque, Pastor, let contract at \$101,910 to Dennehy Construction Co., Henryetta, for church, rectory, school and convent, S. Morton St.; Spanish Mission type, brick, hollow tile and stucco; Monnot & Reid, Archts.*

S. C., Columbia—First Presbyterian Church let tentative contract at \$88,264 to Mechanics Constructing Co., Carolina Bank Bldg., for remodeling Smith Chapel and erection education building; also tentative contract at \$2400 to B-C Electric Co., 1213 Gervais St.; Lafaye & Lafaye, Archts., 1224 Sumter St.*

Tex., Abilene—St. Pauls Methodist Church,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Rev. Lewis N. Stuckey, Pastor, let contract to C. S. Oates, for Sunday school building; 3 stories, semi-fireproof, brick and stone; Wm. Nichol and Geo. F. Campbell, Archts., 12 Radford Bldg.

Tex., Wortham—First Baptist Church will erect \$30,000 building; day labor under supervision O. W. Latson, Archt., Clarendon; 72.9x74.3 ft., three stories, concrete and brick, tar and gravel roof, concrete and wood floors, concrete foundation, rolling partitions, gas stoves, knob and tube system of lighting; major items to be purchased include church pews and balcony chairs, metal lath, roofing; address Oliver Bulleson, Wortham.*

City and County

Ala., Ensley—City Commission of Birmingham, L. E. Gray, City Clk., 1102 Martin Bldg., Birmingham, let contract at \$51,817 to Holly & Davis, 4401 Commerce Ave., Birmingham, for fire and police station, Avenue G and 17th St.; two stories, brick; Denham, Van Kueren & Denham, Archts., 411-16 Ave Herald Bldg., Birmingham.*

Ala., Mobile—City, Harry T. Hartwell, Mayor, let following sub-contracts for central fire station for which Jett-Quill Construction Co., 106 N. Royal St., has general contract at \$87,200: Mobile Gas Co., heating; Electrical & Engineering Supply Co., lighting; Landry & Landry, plumbing and drainage; McPhillips Mfg. Co., millwork; Barnes Sheet Metal Works, sheet metal and tile roof; all material purchased; A. H. Downey, Archt., 51 St. Joseph St.*

Fla., Lakeland—City Commrs., J. W. Buchanan, Jr., member, let contract to Ardley Co., Savannah, Ga., for city hall and municipal auditorium; cost \$250,000; Franklin O. Adams, Jr., Archt., 610 North A St., Tampa.*

Fla., Tampa—County Commrs. let contract to Logan Bros., Newport and Fig Sts., to erect one-story brick addition to courthouse; Fred L. James, Archt.*

N. C., Greensboro—City, P. C. Painter, City Mgr., let contract at \$101,716 to Angle & Moesser for central fire station; Michael & Bivens, Inc., electrical work, \$1939; Harry L. Biddell, heating and plumbing, \$3827 and \$4085; C. C. Hartmann, Archt., Jefferson Standard Life Bldg.*

Okla., Tecumseh—Pottawatomie County, C. E. Pottigrew, Clerk, let contract at \$142,000 to Cowan Bros., Shawnee, for four-story courthouse.*

Tenn., Nashville—City, S. H. McKay, Clerk, Corinnell Apts., let contract at \$27,352 to H. P. Jacobs, 701 Church St., for fire hall, Demonbreun St.; Asmus & Clark, Archts., Stahlman Bldg.*

Dwellings

Ala., Montgomery—C. B. Cooper, Archt., 10 Walnut St., with Okel & Cooper, Bell Bldg., will erect \$15,000 residence, Woodley Terrace and Fairview Ave.; two stories, brick veneer and shingle, brick garage and servants' quarters; plans by owner; Cramton Lumber Co., Contrs., Lawrence and Pollard Sts.; construction begun.

Ala., Montgomery—W. J. Smith, V. P. Mgr. Southern Bldg. & Supply Co., 127 Commerce St., will erect \$20,000 residence, Alendale Road; English type, 1½ stories, hollow tile and stucco; garage and servants' quarters; Frank Lockwood, Archt., 119 Adams St.; Hugger Bros., Contrs., Shepherd Bldg.; construction begun.

Fla., Arcadia—C. C. Bailey let contract to Johns Bierwert for Colonial residence, Monroe and Effie Sts.; stucco, hardwood floors, tile baths, 5 rooms, bath, breakfast room and porches, French windows, interior finish old ivory.

Fla., Avon Park—Park Investment Co. let contract to McCowan Bros. for two frame bungalows on Lake Ave.; also let contract to N. O. Jones for stucco bungalow on Prospect Ave.

Fla., Coral Gables—George E. Merrick is reported to have let contract to American Building Corp., Cincinnati, for 1000 dwellings to cost \$75,000,000; first 100 structures to begin Sept. 1.

Fla., Coral Gables—R. M. Davidson, City Mgr., let contract to H. W. Nicholes, Miami, for \$15,000 residence.

Fla., Hollywood—C. W. Sammons let contract to E. A. Van Atten for \$31,000, two-story, hollow tile residence; 36x55 ft., reinforced concrete foundation, tile roof, interior tile, hardwood floors; John M. Peterman, Archt., Fort Lauderdale.*

Fla., Kissimmee—Dr. T. M. Rivers let contract to Lee Rogers for \$10,000 residence, 102 Mabbette St.; one story and basement,

56x32 ft., brick veneer and clay tile, hardwood floors, concrete floors, metal shingles.*

Fla., Kissimmee—O. P. Swope let contract to A. N. Huggins, E. Robinson St., Orlando, for 12 bungalows on Royal St. between Vine and Cherry; 6 rooms, with bath and screen porches, white and cream spatter dash stucco, oak floors.

Fla., Lakeland—B. F. Hines let contract to A. Logan for \$15,000 residence on Hollingsworth Drive.

Fla., Palmetto—H. G. Meeks let contract to C. B. Stubbs for Dutch Colonial residence on Boulevard; 2 stories, 6 rooms and bath, frame.

Fla., Palmetto—G. N. Holmes let contract to O. F. Alley for \$10,000, six-room bungalow.

Fla., Palmetto—S. C. Maxey let contract to Manatee Construction Co. for six-room bungalow.

Fla., St. Petersburg—C. J. Godsey, 553 Fourth Ave., N., let contract to E. A. Houser, 1760 First Ave. N., for \$30,000 residence, Second Ave. S. and Locust St.; two stories, 11 rooms, hollow tile, hardwood floors, brick foundation, tile roof, hot-water heat, Hollowell Co., electric work; plumbing by owner; Edgar Ferdon, Archt., 312 Sumner Bldg.*

Fla., St. Petersburg—Lester Avery and Olin H. Rounds, Archts. for two Spanish type tile residences in Lakewood Estates; cost \$25,000 each, tile roofs, terra cotta and stone trim; Bjoraa & Wick, Contrs.

Fla., St. Petersburg—Paul Hornlem let contract to J. W. Cherbounneax & Son for 20 one-story frame bungalows at All-States Court, cost \$1000 each; 2 rooms and bath, 14x28 ft.

Fla., Tarpon Springs—Sunset Hills Co., Edgar John Phillips, Pres., 69 W. Washington St., Chicago, let contract to Thos. E. Gage Construction Co., 64 W. Rand St., Chicago, for 15 or 20 cottages in connection with development; Granger, Lowe & Bollenbacher, Archts., 108 S. LaSalle St., Chicago; Wm. H. Diddle, Golf Archt., Indianapolis, Ind.

Ga., Augusta—Branch & Smith, 334 Walker St., have contract to erect residence for Mr. Grubbs, McDowell St.; 2-story brick veneer residence, Fruitland Nursery for James G. Baile, 1524 Gwinnett St., Scroggs & Ewing, Archts., Lamar Bldg., residence for Phil P. Scroggs at Lakemont.

La., New Orleans—Jackson Homewood Assn. let contract to R. A. MacKenroth, 134 N. Hogan St., for \$10,000 double cottage, Canal and Murat Sts.

Md., Baltimore—W. Hampton Linthicum, Gunther Bldg., will erect nine two-story brick dwellings, N. W. corner Denison St. and Harlem Ave., and six at S. W. corner; cost \$55,000; Geo. G. Griffin, Archt., Kneckerbocker Bldg.; owner builds.

Md., Baltimore—George H. Geyer Construction Co., 2019 Frederick Ave., will erect nine two-story frame dwellings, S. W. cor. Oread and Laurel Aves.; cost \$33,000; Frederick E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—Windsor Construction Co., 1305 Fidelity Bldg., will erect ten 1½-story, frame dwellings, north side Duvall Road near Wilcox Road; cost \$35,000. 28x28 ft., asphalt shingle roof, hot-water or steam heat; Cyril Hebrard, Archt., Central Savings Bank Bldg.; owner builds.

Md., Baltimore—Edgewood Development Co. let contract to Jas. T. Mathis, 3501 Forest Park Ave., for six two-story stucco dwellings, N. W. side Gwynns Falls Parkway, S. W. Liberty Heights Ave.; cost \$15,000. 24x36 ft., slate and slag roofs, steam heat; plans by owner.

Md., Baltimore—Roland Park Co., 3904 St. Paul St., has plans by and let contract to J. S. Downing, 2600 Greenmount Ave., for two 2½-story frame dwellings and garages, south side St. Duistan's road, near Charles Street Ave.; cost \$10,000, slate roofs.*

Md., Brooklyn (Sta. Baltimore)—Geo. F. Anderson, 438 Patapsco Ave., will erect six concrete block porch front dwellings, Annapolis Ave. near Sixth St.; owner, Bldr. Archt.

Mo., Columbia—Mrs. Blanche Palmer let contract to I. L. Davis for \$15,000, two-story, brick duplex residence, 6th St.

Mo., Jefferson City—Miss Mabel C. Green let contract at \$21,000 to John W. Case, 211 E. High St., for three-story, 36x48 ft. residence; stone, hardwood floors, tile roof; P. J. Loethen, hot-water heat; C. LePage, electric work; Paul J. Schultz, plumbing and heating; John C. Stephens, Archt., Chemical Bldg., St. Louis; all material purchased.*

Mo., Kansas City—Chester W. Pershing, care Board of Trade, let contract to Surf

Building Co., Rialto Bldg., for two-story and basement frame and stucco residence, 7420 Wyoming St.; 34x30 ft.; plans by owner.

Mo., University City (Sta. St. Louis)—D. Robinson, 6320 Enright St., let contract to Jones Bros. Construction Co., 5549 Wells St., for \$12,000, two-story brick residence, 7053 Kingsbury Place; 32x36 ft., slate roof, hot water heat.

Mo., University City (Sta. St. Louis)—F. J. Shlecker, Inc., let contract to Aug. Gruenschlag, 5964 Kennerly St., for 2-story brick residence and garage, 7261 Greenway Ave.; cost \$11,000, 41.5x36 ft., composition roof, hot water heat; M. Boulicoult, Archt., 819 Buder Bldg.

Mo., University City (Sta. St. Louis)—C. A. Dalton, 7351 Westmoreland St., let contract to Jas. H. Bright Co., 4900 Delmar, for \$25,000 residence, 7351 Westmoreland Ave.; two stories, 28x76 ft., brick, slate roof, hot water heat; W. Manske, Archt., 1823 Arcade Bldg.

Mo., University City (Sta. St. Louis)—Dr. A. H. Deppe, Arcade Bldg., let contract to C. A. Welsh Construction Co., 119 N. Seventh St., for 2-story brick and stucco residence, 7220 Greenway Ave.; 53x38 ft., tile roof, hot water heat, cost \$14,500; Klingenschmidt-Rice & Wilkins, Archts., Arcade Bldg.; all St. Louis.

Mo., University City (Sta. St. Louis)—C. A. Campen, 4903 Fountain St., will erect 1½ story brick bungalow and garage, 7399 Bedford St.; cost \$12,000, brick, 40x50 ft., slate roof, hot water heat; owner builds.

Tex., Houston—Frank H. Sheffield, 310 Hunt St., let contract to J. A. Roberts, 603 Highland Ave., for \$12,500 residence, Avalon Place, River Oaks Country Club; 2-story, brick veneer, hot water heat, electric lights, refrigeration; J. W. Northrop, Jr., Archt., West Bldg.; J. A. Kaibler, electrical contractor; W. R. Knight, Jr., 106 Anita St., heating.*

Tex., San Antonio—Leo Singer, 4436 Broadway, let following contracts for \$12,500 residence, Argyle Ave. and Alamo St.: A. Schweitzer, 129 Barilla Place, general contract; S. L. Sadler & Co., 625 Crosby St., heating; Schroeder Electric Co., 119 Avenue C. lighting; Chalkley Bros., 214 E. Romana St., plumbing; 1½ stories, 37x46 ft., reinforced concrete and interlocking tile, tile, cement and oak floors, reinforced concrete foundation, Spanish tile roof; Chesley Wood, Archt.*

W. Va., Richwood—Mrs. Florence McClung let contract to J. C. Rehm for eight-room cinder block residence on E. Main St.

Government and State

Okla., Pryor—State Board of Public Affairs, Oklahoma City, let contract for two buildings and to remodel administration building, Whitaker State Orphan Home; cost \$30,000.

Hospitals, Sanitariums, Etc.

Mo., Jefferson City—Central Missouri Hospital Assn. let contract to Stone & Schwartz for \$100,000, four-story building, Mulberry and Ashley Sts.; 80x150 ft., brick and reinforced concrete; plans by Capitol Architectural Service, care W. C. MacCreedy, 207 Central Trust Bldg.

N. C., Durham—Drs. McPherson & Kerns, Trust Bldg., let contract to Consolidated Construction Co. for superstructure of McPherson Hospital; cost \$71,000. 3 stories and basement, 40x80 ft., fireproof, composition tile, wood and concrete floors, concrete foundation, slate roof, ornamental terra cotta, steel sash and trim, elevator; Milburn, Heister & Co., Archts., First National Bank Bldg., Durham, and Union Savings Bank Bldg., Washington, D. C.*

Hotels and Apartments

Fla., Clearwater—Apartment Building Trust Co. of Tampa let contract to Phillips Construction Co., Tampa, for 5-story, reinforced concrete, hollow tile, stucco finish, Floridan-Spanish design, \$200,000 Seminole and Shelly co-operative apartments, N. Osceola Ave.

Fla., Coral Gables—William B. Dunlap, Indianapolis, Ind., started work on \$40,000 apartment building Avenue Calabria.

Fla., Coral Gables—Mr. and Mrs. W. P. Laidlaw, New York, started work on \$50,000 apartment building in Douglas Section; also erect \$15,000 residence.

Fla., Coral Gables—J. W. Ricketts let contract to Coral Gables Construction Co., for 12-family apartment building.

Fla., Jacksonville—W. W. Masters, 246

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Catherine St., South Jacksonville, let contract to J. A. Lyle & Son Co., 517 Catherine St., South Jacksonville, for two 5-room apartment buildings, Davis St.

Fla., Jacksonville—R. O. Moore, 217 Davis St., South Jacksonville, let contract to J. C. Pritchard for 4-apartment house and bungalow, Catherine St.

Fla., Miami—O. K. Morgan let contract to Sandquist & Snow, Calumet Bldg., for \$53,000, hollow tile with beam and plaster walls, 14-family apartment house, W. Flagler St.; John H. Sculthorpe, Archt.

Fla., Miami—Cornelius Thomas, 321 S. W. Seventh St., started foundation for \$85,000 3-story, Spanish type, 24-family apartment house, S. W. Seventh St. and 22nd Ave.; R. A. Preas, Archt., Real Estate Bldg.

Fla., Ocala—Mrs. W. J. Metcalf, Dunnellon, let contract for 4-apartment building on E. Broadway.

Fla., Palatka—C. H. Kupperbush, Sr., reported let contract for \$55,000, 3-story, brick, 32-room hotel building, Lemon between Sixth and Seventh Sts.

Fla., Sarasota—Adair Realty & Trust Co., Frank Adair, Vice-Pres., Healey Bldg., Atlanta, advises: "Twelve-story office building and fifteen-story hotel to be erected in Sarasota by Adair & Senter, Contrs., Healey Bldg.; Archts., Pringle & Smith, Atlanta Trust Co. Bldg."; all Atlanta, Ga.

Fla., Sebring—Keystone Building & Realty Co., care B. A. Cope, erect \$50,000, 2-story, tile and stucco, 90x100 ft., Spanish type, 16-apartment building, Pine and Poinsettia Ave.; wood and tile floors, cement foundation, built-up composition roof, hollow tile, interior tile, ornamental terra cotta; F. H. Trimble, Archt., 117 N. Main St., Orlando; owner builds.*

Fla., Sebring—Lakewood Development Corp., Vincent Hall, West Palm Beach, erect \$600,000, 3 to 10-story, fireproof and semi-fireproof, 500-ft. frontage Lakewood Terrace Inn; cement and wood floors, reinforced concrete foundation, Spanish tile roof, hollow tile, interior tile, metal doors, ventilators; Wm. Manly King, Archt., Kenneth M. Campbell, Asso. Archt., West Palm Beach; owner builds. (See Machinery Wanted—Plaster, etc.)

Fla., St. Petersburg—Stans McFarland erecting 2-story, 8-apartment building, 1014 Twelfth Ave. North; 2 rooms and bath each; W. F. Sharpe, Archt.

Md., Baltimore—Israel Silberstein, 402 St. Paul St., let contract to Colonial Contracting Co., 402 St. Paul St., for \$25,000, 3-story, brick, 4-store and 3-apartment building, N. Fulton Ave.

Md., Cumberland—Sam Swartz and Harry Margolis let contract to Hazelwood & Clawson for 3-story, brick, 60x38 ft. building, Frederick St.; 3 stores on first floor, 4 apartments above.

Mo., Hannibal—Burgher Brothers remodel building, Center and Fourth Sts., contain 15 four and five-room apartments.

Mo., Hannibal—J. E. McNalley let contract to Burger & Burger, Hannibal Trust Co., for remodeling building; 20 suites, \$60,000, 3 stories, 42x65x165 ft., brick; Beuttler & Arnold, Archts., Grain Exchange Bldg., Sioux City, Iowa.

Mo., Jefferson City—John Case, Contr., has contract for erection of \$15,000 apartment house, Cherry and High Sts., for Lloyd Tate and \$20,000 apartment house, Broadway and McCarty Sts., for Miss Mabel Green.*

Mo., Kansas City—D. E. Long, Chambers Bldg., let contract to R. D. Shore, 3542 Main St., for 4-story and basement, 84x104 ft., \$250,000, reinforced concrete apartment building, 3521 Baltimore Ave.

Mo., Kansas City—David E. Long, 616 Chambers Bldg., started work on 4-story, 84x104 ft., 40-apartment building, 3521-7 Baltimore Ave.

Mo., St. Louis—N. Schachuer, 1912 Withnell St., let contract to G. W. Cole, 5417 Kingshighway, for \$10,000, 2-story, brick, 34x51 ft. tenement, 3114 Osceola St.; tar and gravel roof, hot water heat; T. J. Cole, Archt., 4800 Goethe St.

Mo., St. Louis—J. E. Hoffman, 4018 W. Florissant St., let contract to H. Kissel & Sons, 4111 W. Florissant St., for \$16,000, 2-story, 36x60 ft., brick flat building, 8610-12 Church Place; private plans.

Mo., St. Louis—E. Wells, 207 Fidelity, erect four 2-story, brick, 24x47 ft. tenements, 3954-64 Parker St.; gravel roofs, furnace heat, \$24,000; J. Gibane, Archt., 208 Title Guarantee Bldg.; owner builds.

Mo., St. Louis—O. R. Bergman, 1012 Hornsby St., let contract to Maffitt Construction Co., 5348 Maffitt St., for \$10,000, 2-story, brick, 34x54 ft. tenement, 1008 Hornsby St.; composition roof, furnace heat; A. Meyer, Archt., 3520 Humphrey St.

Mo., St. Louis—Fairview Investment Co., 110 N. Eighth St., erect 12 two-story, brick, 24x38 ft. tenements, 3935-41 Botanical, 3932-8 Potomac and 3931-57 Tholoan Sts.; \$7000 each, gravel roofs, hot air heat; V. H. Van Sant, Archt., 3614 Virginia St.; owner builds.

Mo., St. Louis—Sherman Realty Co., 312 Calumet Bldg., let contract to B. J. Charleville Realty Co., 312 Calumet Bldg., for \$30,000, 3-story, 50x68 ft., brick 3-store and 18-suite apartment building, 804-6-8 Hamilton and 5899 Clemens Ave.; R. A. Conzelman, Archt., 312 Calumet Bldg.

Mo., St. Louis—J. & M. Godlove, 6033 McPherson St., let contract to S. C. Mittleberg, 6981 Tholoan St., for \$10,000, 2-story, brick, 36x42 ft. tenement, 4139 Marcus St.; composition roof, hot air heat; R. A. Conzelman, Archt., 312 Calumet Bldg.

Mo., St. Louis—Luehrmann, 3442 Iowa St., erect \$10,000, 2-story, 47x46 ft. tenement, 2800-2 Victor St.; gravel roof, furnace heat; owner is builder and Archt.

Mo., St. Louis—Missouri Realty Co., 7117 Page St., erect two 2-story, brick, 18x53 ft. tenements, 5892-4 Cote Brillante; \$12,000, gravel roofs, furnace heat; owner builds.

Mo., St. Louis—May Building & Investment Co., 808 Chestnut St., erect \$55,000, 48x100 ft., brick tenement, 5738 Enright St. and \$10,000, 2-story, 34x52 ft., brick tenement, 2115-17 Alfred St.; composition roof, steam heat; O. J. Popp, Archt., 812 Olive St.; owner builds.

Mo., St. Louis—P. Sturbels, 4800 Virginia St., erect two 2-story, brick, 29x34 ft. tenements, 3200-4 Delor St.; \$10,000, composition roofs, furnace heat; owner is builder and Archt.

Mo., University City (Sta. St. Louis)—Edward M. O'Reilly, 484 Lake St., let contract to Thomas A. O'Reilly, 528 Pierce Bldg., for six 2-story, 2-family, brick flats with garages in rear, 3700-18 Forsyth Blvd.; 25x46 ft., composition roofs, steam heat; \$51,000.

N. C., Greensboro—A. M. Troxler, 521 Simpson St., completed foundation for 20-room, frame apartment house, W. Fisher Ave and Simpson St.

Tenn., Chattanooga—Commodore J. Perry Stoltz, owner of Fleetwood Hotel, Miami, Fla., purchased Fairlyland Inn and property adjoining, announced immediate construction of \$2,000,000 hotel; 15 stories, 300 rooms, roof garden with seating capacity of 1500, swimming pool; will be known as Fleetwood of Fairlyland; DeYoung & Marlowe, Archts., 565 Fifth Ave., New York; W. H. Sears, Asso. Archt., James Bldg.; George W. Langford Co., Contrs., Columbia Bldg., Louisville, Ky.; O. B. Andrews, Rosevale Ave., and Garnett Carter, 45 S. Crest Road, will be associated with Commodore Stoltz.

Tenn., Morristown—W. S. Myers let contract to Luther Beeler & Co., Johnson City, for 2-story, brick veneer and tile residence and apartment building, W. Main St.; tile roof, metal lath, fireproof; A. N. Dryden, Archt., Kingsport.

Tex., El Paso—Charles A. and A. C. DeGroff let contract to Ramey Brothers, First Natl. Bank Bldg., for \$711,000, 11-story, 120x130 ft., reinforced concrete hotel building; cement floors, concrete foundation, hollow tile, interior tile, metal doors, mail chutes, ventilators, steel sash and trim, wire glass, tar and gravel roof; Elliott Engineering Co., Feders Bldg., vacuum heating; Ware Co., electric wiring; James A. Bruman, plumbing; Otis Elevator Co., Caples Bldg., 4 elevators; Trost & Trost, Archts., Two Republics Bldg.*

Tex., Greenville—Greenville Hotel & Investment Co. let contract to Shepherd Brothers for 6-story hotel building, Washington and St. John Sts.; concrete framing, brick and terra cotta, 100 guest rooms, 11 apartments of 3 and 4-room suites, roof garden, 2 passenger and 1 freight elevator; W. T. Monroe Co., plumbing; Lindsey & Kilmer, Archts.*

Tex., Houston—R. D. Bishop let contract to J. E. Lawrenson for \$27,000, 2-story, brick veneer apartment building, 2102 McGowen Ave.

Tex., San Marcos—Jack Thomas erecting 2-story apartment house.

Miscellaneous

Fla., Sarasota—Whitfield Estates, Inc., D. G. Haley, Pres., erect stucco, Spanish renaissance type clubhouse; Pringle & Smith, Archts., Atlanta Trust Bldg.; Adair & Senter, Healey Bldg., Contrs.; both Atlanta, Ga.*

Fla., Tarpon Springs—Edgar J. Phillips, 69 W. Washington St., Chicago, Ill., erecting 18-hole golf course and 40-bedroom clubhouse

to cost \$225,000; Granger, Lowe & Bollenbacher, Archts., 1085 LaSalle St.; Thomas E. Gage Construction Co., Contrs., 64 W. Rand St., both Chicago; William H. Diddle, Golf Archt., Indianapolis, Ind.

Ky., Louisville—Kosair Temple, Nobles of Mystic Shrine, L. Craig, Chmn. of Committee, care Sun Varnish Co., 14th and Magnolia Sts., let contract to Platoff & Bush, 122 N. Liberty St., at \$365,393, for first unit of \$1,500,000 home to include school, dining-room and industrial building; Haller & Zehnder, 1003 E. Broadway, plumbing on school and industrial and temporary water connection at \$3397, \$2509 and \$323; P. H. Meyer Co., 640 Preston St., plumbing on dining building; H. Netherson & Co., 111 N. Fifth St., heating all three at \$35,009; Wilhelm & Schnur Electrical Co., 219 W. Main St., wiring all three at \$18,093; Henry Bickel Co., 443 Garden St., road construction; Joseph & Joseph, Archts., Frances Bldg.*

Md., Baltimore—Baltimore Monthly Meeting of Friends erect three 1½-story, frame buildings, Charles St. near Wyndhurst Ave.; \$10,000, slate roofs, one 30x60 and two 16x44 ft.; Palmer, Willis & Lambodin, Archts., 513 N. Charles St.; Henry T. Sorrell & Sons, Contrs., 4112 Kathlam Ave.

Mo., Kansas City—James F. Moore, Contr., 615 Gloyd Bldg., erecting \$20,000, 2-story, 70x32 ft., brick and hollow tile studio and recital hall for Charles F. Horner, 300 Troost St.; slate roof, maple and oak floors, stone and concrete foundation, metal doors, ventilators; major items to be purchased include drop curtain and draperies, chairs, pianos; Clarence E. Shepard, Archt., 412 Huntzinger St.

Mo., St. Louis—A. Harral, 114 N. Seventh St., let contract to B. J. Charleville Realty Co., 312 Calumet, for \$30,000, 2-story, brick, 60x75 ft. mortuary and dwelling, 1903-5-7 Union St.; tile roof, hot water heat; plans by owner.

N. C., Asheville—Clubhouse — Malvern Hills Country Club let contract to Edgewood Developing & Construction Co., Biltmore, for clubhouse; Ronald Greene, Archt., Gates Bldg.*

W. Va., Charleston—Wehrle Estate erecting 2-story, brick building, Alderson St., to be occupied by Harden & Harden as undertaking establishment.

Railway Stations, Sheds, Etc.

Ga., Atlanta—Atlanta Terminal Co., R. B. Pelgram, Pres., 14 E. 16th St., let contract to Foundation Co., 101 Marietta St., for revision of Terminal Station, to cost \$200,000; including additional train sheds, covering platforms, etc.*

Miss., Brookhaven—Illinois Central Railroad, 135 E. 11th Place, F. L. Thompson, Ch. Engr., Chicago, started work on frame freight depot; Emmett Stevenson, Contr., McCormick.

Mo., Centralia—Wabash Railway Co., J. E. Taussig, Pres., Railway Exchange Bldg., St. Louis, let contract to J. U. Wuellner & Son, Oak and Front Sts., Alton, Ill., for \$50,000, 1-story, 26x178 ft., brick passenger depot and truck shed; LaBeaume & Klein, Archts., Compton Bldg., St. Louis.*

Schools

Ark., Paragould—P. E. House has contract for basement and foundation of \$18,000 consolidated school buildings at Cross Roads; H. R. Boone drew plans.

D. C., Washington—Board of Education, E. C. Graham, Pres., will award contract to George E. Wyne, Home Life Bldg., at \$184,700, for 8-room extensible school building, 29th and Calvert Sts., N. W.; A. L. Harris, Municipal Archt., 1728 17th St., N. W.*

D. C., Washington—District Commissioners, Room 509 District Bldg., opened bids for 8-room and auditorium addition to Bell School; Skinker & Garrett, 1416 F St., N. W., low bidders at \$175,492, contract to be let soon; A. L. Harris, Municipal Archt., 1728 17th St., N. W.*

Fla., Delray—Palm Beach County Board of Public Instruction, West Palm Beach, let contract to R. J. Sinks, at \$69,875, for 2-story, Spanish type, stucco High School building; Samuel Ogren, Archt.

Fla., Winter Haven—Polk County Board of Public Instruction, Bartow, let contract to Seymour-Craig Co., for \$20,000, 5-classroom and auditorium, 1-story, hollow tile and stucco graded school building, also for \$21,000, 7-classroom and auditorium, stucco negro school.

Ky., Russell—Board of Education let contract to W. I. Kalter, Ashland, at \$13,910, for 2-story and basement, 22x73 ft., fireproof, wall bearing school building; cement floors,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

concrete foundation, composition roof, hollow tile, ventilators; major items to be purchased include teachers' and pupils' desks. Address Clerk of Board; Tyson & Foster, Archts., Ashland.

La., Baton Rouge—Louisiana State University, R. L. Himes, Sec. let contract to Conner, Bryant & Bell, at \$29,500, for 3 additional sections of concrete stadium; plans in progress for erection of temporary dormitories under stadium; Wogan & Bernard, Archts.*

La., DeQuincy—Calcasieu Parish School Board let contract to W. O. Price, Box 703, both Lake Charles, at \$58,223, for 2-story, 121x140 ft., school building; Barrett roof, wood floors, concrete foundation; Craft-Rushworth Co., Broad St., Lake Charles, heating, plumbing and electric wiring; Edward F. Nield, Archt., Merchants Bldg., Shreveport.*

Md., Baltimore—Peabody Conservatory of Music Board of Trustees let contract to Consolidated Engineering Co., 20 E. Franklin St., for \$200,000, 4-story, 75x155 ft., stone preparatory school building; Parker, Thomas & Rice, Archts., Union Trust Bldg.*

Md., Bowie—Prince Georges County Board of Education, Upper Marlboro, let contract to Iroquois Engineering Co., Homer Bldg., Washington, D. C., at \$13,500 for 2 classroom and basement-auditorium addition.

Miss., Hattiesburg—Harrison County Board of Education, Gulfport, let contract to McLaughlin & Glenn, Hattiesburg, at \$16,600, for High School building; Biloxi Plumbing & Heating Co., Biloxi, electric wiring.*

Mo., Gilpin—School Board let contract to George Cope & Son, 4900 Oak St., Kansas City, for \$10,000 school, N. River Road.

Mo., St. Louis—Board of Education, J. C. Tobin, Pres., 911 Locust St., let contract to Humes Deal Construction Co., Syndicate Trust Bldg., for \$900,000, 3-story and basement, 269x368 ft., brick intermediate high school building, Market, Laclede, Cardinal and Garrison Sts.; R. M. Mulligan, Archt., care Board.

N. C., Colfax—See N. C., Pleasant Garden.

N. C., College Hill—W. D. Hendleston, Jr., has contract for classrooms at school building; address Board of Trustees Lafayette County Agricultural High School.

N. C., Durham—Board of Education let contract to T. H. & A. H. Lawrence, Geer Bldg., at \$76,850, for first section of High School building; W. L. Brown, N. Greyson St., plumbing at \$2793; Dermott Heating Co., Ramey & Watkins Sts., heating at \$6727; Milburn, Heister & Co., Archts., Union Savings Bank Bldg., Washington, D. C., and First Natl. Bank Bldg., Durham.*

N. C., Pleasant Garden—Guilford County Board of Education, Greensboro, let contract to Sam T. Johnson, Burlington, at \$20,535, for 6-room and auditorium school, and at \$4705 for 2-room addition to Colfax school; Dermott Heating Co., Durham, heating at \$2100 and \$400; Howerton & Chandler, 215 E. Sycamore St., Greensboro, plumbing, Pleasant Garden at \$1200.

S. C., Abbeville—Board of Trustees Abbeville District let contract to Harper Lumber Co., Honea Path, at \$14,500, for 8-classroom and auditorium, brick and tile colored school building.*

S. C., Cottageville—Cottageville Consolidated School District, Prof. C. K. Ackerman, Supt. of Schools, let contract to O. G. Bridge, for 6-room High School building.*

S. C., Estill—Board of Trustees, M. M. Crislow, Chmn., let contract to J. M. Lawton Co., Florence, at \$39,800, for 2-story, brick with stone trim school building; 8 classrooms, library, office and auditorium; Scroggs & Ewing, Archts., Lamar Bldg., Augusta.*

S. C., Fort Lawn—Chester County Board of Education let contract to Piedmont Contracting Co., both Chester, for 2-classroom addition to school.

S. C., Hartsville—Board of Trustees of Hartsville School District No. 32, J. A. McIntyre, Chmn., let contract to Haynesworth & Stuckey, Florence, at \$78,379, for grammar school; J. L. Powers, Bennettsville, plumbing, heating and downspout, at \$14,000; Wilkins & Hopkins, Archts., Florence.*

S. C., Montmorenci—See S. C., Warrenville.

S. C., Warrenville—Alken County Board of Education let contract to Anderson & Stieffel, both Alken, at \$28,276, for 2-story, brick, 10-classroom and auditorium school building; T. G. Brittingham, 651 Broad St., plumbing and heating, at \$4717; W. W. Simmons, Archt., both Augusta; also received contract for school at Montmorenci, \$4227; same Archts.

Tenn., Carthage—Smith County Board of Education let contract to R. H. Williams for \$12,000, 1-story, brick, 8-room high school building; Will Maynard, Cookeville,

brick work; Lester Williams, carpenter work; C. K. Colley, Archt., Fourth & First Bldg., Nashville.*

Tenn., Chattanooga—Fred B. Frazier, Commissioner of Education, let contract to Rogers & Leventhal, Pound Bldg., for erection of Clara E. Carpenter Grammar school in First District; \$125,000, reinforced concrete frame, face brick; Wilcox Plumbing Co., 116 E. Ninth St., plumbing and heating; Curtis Co., 725 Walnut St., electrical work; Clarence T. Jones, Archt., James Bldg.*

Tex., Cotulla—Cotulla School District Board of Trustees let contract to Lee Peters at \$22,500 for 1-story, brick and concrete school building; Henry T. Phelps, Archt., Hicks Bldg., San Antonio.

Tex., Plainview—School Board purchased following equipment: Wichita Falls School Supply Co., 442 desks and 65 chairs, \$3027; E. W. A. Rowley Co., Chicago, Ill., 165 window shades, 15 teachers' desks and chairs, \$983.*

Tex., Sunnyside—Sunnyside School District Board of Trustees let contract to F. M. Wallace, Contr., for Panhandle Lumber Co., Lubbock, for \$20,000 brick school building.*

Tex., Waco—Waco Academy, Misses Miriam and Nellie Buck, Props., erect \$16,000, 12-room, stucco building, to replace present structure, 510 N. 17th St.; John Montgomery, Contr.; E. M. Ross, Archt.

Va., Norfolk—School Board let contract to Miller Engineering Co., foot Madison St., for 8-room, stone Meadowbrook school; cost, including furnishings, \$94,250; C. J. Calrow, Archt., New Monroe Bldg.*

W. Va., Bluefield—Board of Education Beaver Pond School District let contract to J. H. Hedreth & Sons, Bluefield and Tazewell, at \$194,000, for rebuilding Beaver High School building; heating and plumbing to W. A. Bodell & Co., Federal St., at \$33,395; Mahood & Van Dusen, Archts., 701 Law & Commerce Bldg.; H. A. Lucas, L. C. Bldg., awarded contract at \$7777 for building auditorium at East End School, and at \$78,778 for addition to Fairview School; Garry & Sheffield, 302 First Natl. Bank Bldg., Archts., for both; contract for 6-room colored school on Jones St. to C. J. Crews, \$8900; Akers & Leedy erecting 6-room, brick school on north side; D. D. Shelton, Third St., erecting 2-room addition to Stinson School; address Edwin C. Wade, Supt. of Schools.*

Stores

Fla., Fort Lauderdale—Fort Lauderdale Engineering & Construction Co., has contract for \$100,000, hollow tile, 2-story arcade building, N. Andrews Ave.; plans by Thomas D. Laughlin & Asso. Archts., Lima, Ohio.

Fla., Fort Pierce—East Coast Grocery Co., J. M. Sample, Mgr., let contract to F. M. Taylor for 36x80-ft., brick or tile addition, Indian River Drive.

Fla., Lakeland—J. E. Allen, Contr., erect \$40,000, 2-story, 40x100 ft. business building for Miller Hardware Co.; brick walls, concrete floors.

Fla., Miami—Mrs. J. W. Roundtree erect \$20,000, 3-story and 4-family apartment building, 737 S. E. Eighth St.; Gordon E. Moyer, Archt.; Roy Martin, Contr.

Fla., Miami Beach—N. B. T. Roney, 2250 Collins Ave., let contract to J. C. Gaffney, 2248 N. E. Second Ave., for \$12,000 store building.

Fla., Orlando—Howard M. Reynolds, Archt., Orlando Bank & Trust Bldg., expending \$25,000 for remodeling building, Court and Pine Sts.; 4 stores facing Pine St.; 18 office rooms above.

Fla., Palmetto—S. B. Black let contract to C. B. Stubbs for 1-story, stucco and hollow tile building on Main St.

Fla., Stuart—Charles H. Peacock, 5428 Woodbine St., Philadelphia, Pa. let contract to S. A. Matthews, for \$100,000, Spanish type, stucco over tile building, from Flagler Ave. to St. Lucie River; 13 store rooms on first floor along arcade, 20 office rooms and 14 hotel apartments on second.*

Fla., St. Petersburg—Mrs. E. L. Mitchell, 23rd Ave. and Euclid Blvd., let contract to M. B. Welch for \$20,000, 1-story business building, First Ave. North.*

Fla., St. Petersburg—A. T. Blocker, E. 175 4th Ave. N., let contract to Frank Chase for 1-story hollow tile and stucco building, Second St., south; 8 stores and storage garage.

Fla., Titusville—James Pritchard erecting hollow tile and stucco building, Washington Ave., to be occupied by Southern Utilities Co. of Palatka, on first floor, apartments above.

Fla., Vero Beach—Hitchison, Hill & Young, Inc., has plans by Wm. Manly King, West Palm Beach, for \$50,000, 2-story, 100x100 ft.,

clay tile and stucco stores and apartments building, Pueblo Ave. and 21st St.; tile and composition roof, concrete and steel foundation, concrete floors.*

Ga., Augusta—Harry Carpenter, 709 Ellis St., let contract to Branch & Smith, 734 Walker St., for hollow tile and stucco, Spanish type store building, Central Ave.

La., Opelousas—Homer Ventre has contract for 2-story, 60x100 ft., brick building for Abdalla Stores, Inc., with offices above; Leo E. Ball, Archt., Alexandria.

Md., Baltimore—Baltimore-Washington Realty Co., 16 W. Lexington St., erect \$40,000, 1 and 2-story, Spanish type, 8-store and apartment building, S. E. cor. Garrison and Liberty Heights Aves.; tile roof with copper trim, stucco, hot water and gas heat; Lucius R. White, Jr., Archt., Hearst Tower Bldg.; Herbert J. West, Knickerbocker Bldg., Genl. Contr.

Md., Hagerstown—Theodore Birnbach of Kirsons' Woman's Store, Martinsburg, W. Va., remodeling Porter Bldg., 15 W. Washington St.

Mo., Kansas City—Agce-Block Co., 405 Commerce Bldg., erecting \$50,000, 2-story, brick, 174x73 ft. store and office building, 4700 Independence Ave.; oak floors, brick foundation, asphalt roof, hollow tile, interior tile, metal ceilings, plaster board, metal doors, steel sash and trim; C. M. Jespersen, Archt., 522 S. Van Brunt Blvd.; owner builds.*

Mo., Kirkwood (Ind. Br. St. Louis)—J. D. Marshall let contract to William Stites, 7358 Manchester Ave., for \$46,000, 2-story, brick, 100x70-ft. building, 7402-10 Manchester Ave.

Mo., St. Louis—Stoeck-Peterman Furniture Co., 3719 N. 14th St., let contract to A. H. Haesler Building & Contracting Co., Wainwright Bldg.; for \$175,000, 4-story and basement, 75x10 ft., reinforced concrete, brick and stone store and warehouse building, Union and Natural Bridge Sts.

Mo., St. Louis—Bill Ed Realty Co., 1111 Chestnut St., let contract to W. Shassen, 561 Theodosia St., for \$10,000, 1-story, brick, 107x35 ft. store building, 2700-10 Maffitt St.; tar and gravel roof, stove heat.

Mo., Springfield—H. S. Jewell, 704 E. Walnut St., let contract to W. W. Johnson, Phelps Grove, West Drive, for remodeling 1-story and basement, 26x100 ft., brick store building; Hawkins & Abbott, Archts., McDaniel Bldg.

N. C., Charlotte—J. L. Staten & Co., 209 W. Trade St., expending \$20,000 for alterations to store, W. Trade St.

N. C., Shelby—R. A. Lackey & Son erecting brick drug store building, replace structure burned.

Tex., Houston—The Houston Co. erecting \$15,000, 1-story, 50x100 ft., frame, stucco and plaster business building, 3501 Main St.; wood and concrete floors, tar and gravel roof, ventilators, steel sash; Caywood Electric Co. wiring; B. E. Smith, 2411 Main St., plumbing; plans by Einar H. Stuebe Co., Contrs., 4510 Main St.*

Tex., Houston—J. L. Mitchell Jewelry Co., 614 Fannin St., let contract to T. J. Gelvin, 904 Jackson St., for remodeling building, 1020 Capitol Ave.

Tex., Plainview—J. W. Grant let contract to Harrison & Smyth for repairs to building on Broadway, damaged by fire.

Tex., Port Neches—Z. A. Goolsbee Mercantile Co. erecting \$25,000 business building.

Theaters

Fla., Coral Gables—Coral Gables Theater Co., W. H. Avery, Pres. and Treas. let contract to Hemmings Construction Co., for \$150,000, 150x100 ft. theater building, Ponce de Leon Blvd. and Alcazar Ave., to seat 1500; E. A. Ehman, Archt., Congress Bldg., Miami.*

Warehouses

N. C., Winston-Salem—Brown-Williamson Tobacco Co., 127 S. Liberty St. let contract for erection of addition to warehouse.

N. C., Winston-Salem—Brown & Williamson Tobacco Co., 120 S. Liberty St., let contract to Fogle Brothers Co., Mill St., for 50,000 sq ft. leaf storage shed; 1 story, composition roof; Tilton & Crews, Archts.

S. C., Spartanburg—Stallings-Johnson Co., Broad St., let contract to Gaffney Construction Co. at \$10,202 for 1-story warehouse, Union and Kennedy Sts.

Tex., San Antonio—Mrs. Emmy Dittmar, 505 Hoard St., let contract to Rodgers & Stewart, 330 Nolan St., at \$15,551, for warehouse and office building, of Truscon Steel Co., Youngstown, Ohio; 1 and 2 stories, brick walls; Schroeder Electric Co., 119 Ave. C, wiring; A. H. Shafer, 418 N. St. Marys St., plumbing and fixtures. Address Charles Dittmar, agent, 304½ W. Commerce St.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Aluminum Ware.—U. S. Veterans Bureau, Washington, D. C.—Receives bids Aug. 17 for aluminum ware.

Amusement Park Devices.—Perry J. Cook, Pres., Tyre's Ford Amusement Co., 302 Worth Ave., Elkins, W. Va.—Wants prices on various amusement park devices, including toboggan slide, etc.

Architectural Plans.—W. R. Furr, Jr., P. O. Box 221, Atlanta, Ga.—Desires to correspond with architectural firms for plans of ten bungalows.

Bakery.—L. E. Blanchard Co., Box 1107, Hendersonville, N. C.—Wants data and prices on small bakery plant.

Basket and Crate Machinery.—Paul Wallace, Box 81, Minden, La.—Wants prices on complete plant (machinery) for making baskets and crates, not to exceed \$15,000.

Belting (Leather).—C. H. Nichols, 220 N. Fifth Ave., Rome, Ga.—Wants 4, 6 and 12-in. leather belting, second-hand.

Boilers.—Keystone Equipment Co. (Mchy. Dealers), 1947 Broadway, N. Y.—Wants new or used locomotive type or economic boilers, A. S. M. E., 125 lbs. or better, 40 to 50 horsepower.

Boiler.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 100 h.p. steam boiler, stationary, new or used.

Bridge.—State of Tennessee will build 12 bridges. See Construction News—Road and Street Construction.

Bridge.—Manning, S. C. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—State of Tennessee will build 3 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—St. Louis, Mo. See Construction News—Bridges, Culverts, Viaducts.

Bridge.—Greenwood, S. C., will build one culvert and four bridges. See Road and Street Construction.

Bridge.—New Braunfels, Tex. See Construction News—Bridges, Culverts, Viaducts.

Building Material.—W. R. Furr, Jr., P. O. Box 221, Atlanta, Ga.—Building material for ten bungalows.

Building Materials.—Herfurth Engine & Machinery Co., Kissimmee, Fla.—Wants building material, lumber, pine dimension drest; roofing in car lots; millwork, windows, door mouldings in car lots; brick and tile; also samples and price on Georgia brick; plumbing material in car lots.

Building Material.—See Buildings Proposed—Schools—Ky., Pikeville.

Building Material.—Geo. L. Kramer, Archt., Winter Haven, Fla.—Data and prices on building material for \$100,000 church; correspondence with Southern manufacturers.

Cabinets.—U. S. Veterans Bureau, Washington, D. C.—Receives bids Aug. 13 for steel vertical file cabinets.

Cartons (Cardboard).—W. A. Jones, 204 N. Church St., Charlotte, N. C.—Wants to correspond with manufacturers of small round pasteboard or card board cartons that contain small articles, such as baking powder, salt, etc.

Casters (Bed).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 10 for 10 sets of rubber tired hospital bed casters; Jarvis & Jarvis No. 42-LX or equal; prices f.o.b. point of shipment.

Cement.—Herfurth Engine & Machinery Co., Kissimmee, Fla.—Wants to represent manufacturers of cement.

Cheese-Making Machinery.—L. E. Blanchard Co., Box 1107, Hendersonville, N. C.—Wants data and prices on machinery for cheese factory.

Concrete Mixer.—Herfurth Engine & Machinery Co., Kissimmee, Fla.—Wants to represent manufacturers of concrete mixers.

Crusher.—Sam'l T. Williams, 8 E. Lexington St., Baltimore, Md.—Wants crusher or grinder for crushing iron oxide ore to fineness of table salt.

Crane.—Keystone Equipment Co. (Mchy. Dealers), 1947 Broadway, N. Y.—Wants two locomotive cranes, gasoline drive, state make, condition and age.

Desks.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 10 for 2 nurses' desks, tubular frame work; M. Weiss & Co.'s No. 1353 or equal; prices f.o.b. point of shipment.

Dies.—Guyan Machine Shops, Logan, W. Va.—Wants automatic dies, similar to No. 6

Harkness; capacity $\frac{5}{8}$ to 1 $\frac{1}{4}$ -inch, preferably with 6 or more cutters.

Dishwashing Machines, etc.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 13 for dishwashing machines and vegetable peeling machine for U. S. V. H., San Fernando, Cal.; prices f.o.b. point of shipment.

Earthwork.—U. S. Engineer Office, 140 Decatur St., New Orleans, La.—Receives bids Aug. 14 for 148,000 cu. yds. earthwork in Babin levee, Atchafalaya Levee Dist.

Engine (Oil).—William Kirten, Sec., Lake Village Water Works Improvement Dist., Lake Village, Ark.—Wants 50 to 65 h.p. oil engine; prefer Diesel engine for water works system.

Engine.—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants dealers prices on 30 h.p. vertical engine complete; second-hand or rebuilt.

Engine.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 50 h.p. stationary steam engine, simple and compound; new or used.

Excavator.—E. W. Cooper, Eng., 174 Third Ave. N., Nashville, Tenn.—Wants one Sauer-man cableway excavator with $1\frac{1}{2}$ to 2 yd. bucket for use in sand and gravel pit.

Feed Mixer.—Gray Silver, 208 S. LaSalle St., Chicago, Ill.—Wants used feed mixer.

Fibre.—G. H. Morrison, Hazlewood Farm, Fredericksburg, Va.—Wants to correspond with manufacturers of fibre ware, such as buckets or other firm and solid fibre products; also with firms making light (in weight) resilient fibrous materials.

Glasses (Medicine).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 11 for 50,000 medicine glasses, thick glass, pressed lines and figures, graduated up to 2 table and 8 teaspoons; prices f.o.b. point of shipment; delivery Perryville, Md.

Gravel.—State Highway Dept., East Point, Ga.—Receives bids Aug. 7 to furnish gravel for surfacing 7.12 mi. road on Columbus-Cusseta road; W. R. Neal, State Highway Engr.

Gravel and Shell.—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La.—Receives bids August 25 to furnish gravel and shell for surfacing 29.50 mi. in Terrebonne, Vernon, Jefferson Davis, Acadia and Washington Parishes; plans on file; W. B. Robert, State Highway Engr.

Gravel and Shell.—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La.—Receives bids August 18 to furnish gravel and shell to surface 1.539 mi. road in Covington, plans on file; W. B. Robert, State Highway Engr.

Gravel.—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, La.—Receives bids Aug. 20 to furnish gravel for surfacing 15.4 mi. road in Morehouse Parish.

Hoist.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one Lidgetwood double-drum hoist with and without boiler; new or used.

Ice Plant.—L. E. Blanchard Co., Box 1107, Hendersonville, N. C.—Wants data and prices on small ice manufacturing plants.

Incandescent Lamps.—Board of Awards, F. A. Dolfeld, Register, Baltimore, Md.—Receives bids Aug. 12 to furnish and deliver incandescent lamps; J. Reese Pitcher, Purchasing Agt.

Iron (Cast or Wrought).—Joseph Stolz & Son, Inc., Commerce Ave., Highbridge Station, New York.—Wants cast or wrought iron store fronts; detailed drawings will be forwarded upon application.

Kitchen Equipment.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 13 for kitchen equipment for U. S. V. Hospital, Lake City, Fla.

Laundry Machinery.—U. S. Veterans Bureau, Washington, D. C.—Receives bids Aug. 14 for laundry machinery.

Lighting Fixtures, etc.—Board of Education, E. L. Ambrecht, Pres., Wheeling, W. Va.—Receives bids Aug. 11 to furnish lighting fixtures, clock and gong fixtures, intercommunicating telephones and stage equipment for Ritchie school; Fred F. Faris, Archt., 1117 Chapline St.

Lime.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Aug. 11 for 36,000 lbs. air-slacked lime; delivery Quantico, Va.; Sch. 88.

Locomotives.—Keystone Equipment Co. (Mchy. Dealers), 1947 Broadway, N. Y.—Wants two 10 or 11x16 saddle tank locomotives, standard and 36-in. gauge; late type; A. S. M. E. boilers, state shop number, condition, etc.

Locomotive.—Taylor-Parker Co., Water and Commerce Place, Norfolk, Va.—Wants 42-in. gauge locomotive about 10x16, with 4 or 6 drivers and tank on tender; state full particulars.

Machine Tools.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one hack saw, 24-in. upright drill, 18 or 20-in. shaper, screw-cutting lathe 18x20-in. to 12-ft. x 14 in. one No. 2 milling machine.

Machine Tools.—The Ponath Banks Manufacturing Co., Inc., 5178 Eastern Ave., St. Louis, Mo.—Wants prices on machinery, lathes, drill presses, grinders, etc., for electrical appliance manufacturing plant.

Mailing Platforms.—Treasury Dept., Office of Supvg. Archt., Washington, D. C.—Receives bids Aug. 19 for extension of mailing platforms, etc., at U. S. Postoffice and Court-house, Birmingham, Ala.

Miscellaneous Supplies.—U. S. Marine Corps, Quartermaster Dept., Washington, D. C.—Receives bids Aug. 13 for miscellaneous supplies, including Manila rope, steel snath blocks, chamols skins, hose clips, steam hose, lubricator, belt dressing, etc.; Sch. No. 84.

Motion Picture Theater Equipment and Furnishings.—Wiehl Pictures Corp. of Chattanooga, James Bldg., Chattanooga, Tenn.—Wants data and prices on equipment and furnishings for several theaters.

Motor.—Hackley Morrison Co. (Mchy. Dealer), 1708 Lewis St., Richmond, Va.—Wants one 100 h.p., 3 phase, 60 cycle, 440 volt, 1200 rpm., 40 degree squirrel cage motor, with starter, without base and pulley.

Oil (Raw Linseed).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 12 for 1000 gal. raw linseed oil, furnished in 1 gal. cans; prices f.o.b. point of shipment.

Oil Line Materials.—John C. Pfalzgraf, 310 College St., Poteau, Okla.—Wants prices on 12 mi. of 6-in. pipe line, 12 mi. 8-in. and about 6 mi. of 3-in. pipe line and tubing.

Oil Well Drilling.—John C. Pfalzgraf, 310 College St., Poteau, Okla.—Wants to correspond with drilling contractors and desires prices.

Outfall Sewer.—Comms. Office, Elkins Park, Pa., Charles W. Bosler, Chrmn.—Receives bids August 20 for constructing main outfall sewer for house drainage along Tacony Creek; Albright & Mebus, Engrs., 1502 Locust St., Phila., Pa.

Padding and Linoleum.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Aug. 10 for furnishing 192 lbs. cotton felt padding and 66 sq. yds. battleship linoleum; delivery Quantico, Va.; Sch. 86.

Paint.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids Aug. 11 to furnish 196 gal. green paint, ready mixed, and 398 gal. buff paint; delivery Hampton Roads, Va.; Sch. No. 83.

Paint.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Aug. 14 for interior gloss stipple paint, about 15,000 gal. of body and 5000 gal. reducer; prices f.o.b. point of shipment.

Paper Napkins.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids August 13 for 6,000,000 paper napkins, size 13x13-in.; process f. o. b. point of shipment; delivery Perry Point, Md.

Painting, etc.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Receives bids August 17 for exterior painting, incidental changes in mechanical equipment, etc., at U. S. Postoffice, St. Augustine, Fla.

Paving.—San Antonio, Tex. See Construction News—Road and Street Construction.

Paving.—Albany, Ga. See Construction News—Road and Street Construction.

Paving.—Lake Charles, La. See Construction News—Road and Street Construction.

Pipe.—Keystone Equipment Co. (Mchy. Dealers), 1947 Broadway, N. Y.—Wants two or three cars mixed pipe, 12, 14, 15 and 16-in., state weight and thickness; surplus stock or used; also two or three cars of 6 and 10 in. standard weight pipe, used or surplus stock; state lengths, condition and weight per foot and price.

Plaster, etc.—Lakewood Development Corp., Sebring, Fla.—Wants proposals, especially from Northern contractors, for plastering

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

and stucco for \$600,000 Lakewood Terrace Inn.

Pumping Station Equipment.—City of Salisbury, Md., Francis H. Dryden, Ch. Engr. —Receives bids August 20 for furnishing and installing pumping station equipment, including 6 centrifugal pumps and motors for operation of same; switchboard and appurtenances, motor controls and station wiring; 2 venturi meters with instruments; low service centrifugal pump priming system.

Plumbing, etc.—City of Houston, Tex., O. F. Holcombe, Mayor. —Receives bids Aug. 10 for general contract, plumbing, heating, wiring and piling for 2-story reinforced concrete fire station; Brickley & Brickey, Archts., 611 State National Bank Bldg.

Plumbing Fixtures.—W. A. Tayloe, Sec., School Board of Aulander Graded School, Aulander, N. C. —Receives bids Aug. 7 to install plumbing fixtures in school building and dormitory.

Plumbing Supplies.—U. S. Marine Corps, Quartermaster's Department, Washington, D. C. —Receives bids Aug. 13 to furnish 84 hot water thermometers, 144 curtain ring hooks, 16 expansion tanks; delivery Quantico, Va.; Sch. No. 85.

Pontoon Catamarans.—U. S. Engineer Office, Jacksonville, Fla. —Receives bids Aug. 20 to construct and deliver pontoon catamarans for dredge Welatka.

Pumps.—H. F. Southwell, Reidville, Ga. —Wants pumps for lifting water out of deep wells for city supply; correspond with manufacturers.

Rails.—Dixie Brick Co., J. E. Minter, Gen. Mgr., 1019 Broad St., Columbus, Ga. —Wants 25-lb. relay rails with fasteners.

Refrigerators.—U. S. Marine Corps, Quartermaster's Dept., Washington, D. C. —Receives bids Aug. 13 for furnishing refrigerators, 100 lb. ice capacity; delivery New York, N. Y.; Sch. 89.

Road.—State of North Carolina will build 11 roads. See Construction News—Road and Street Construction.

Road.—Savannah, Ga. See Construction News—Road and Street Construction.

Road.—DeLand, Fla. See Construction News—Road and Street Construction.

Road.—Marlin, W. Va. See Construction News—Road and Street Construction.

Road.—Greenwood, S. C. See Construction News—Road and Street Construction.

Road.—Atlanta, Ga. See Construction News—Road and Street Construction.

Road.—State of Kentucky will build 4 roads. See Construction News—Road and Street Construction.

Road.—Cusseta, Ga. See Construction News—Road and Street Construction.

Road.—Bastrop, La. See Construction News—Road and Street Construction.

Road.—Bartow, Fla. See Construction News—Road and Street Construction.

Road.—Princeton, W. Va. See Construction News—Road and Street Construction.

Road.—State of Tennessee will build 13 roads. See Construction News—Road and Street Construction.

Road.—Covington, La. See Construction News—Road and Street Construction.

Road.—State of Louisiana will build 5 roads. See Construction News—Road and Street Construction.

Seating.—City of San Antonio, Tex., Fred Fries, Clerk. —Receives bids Sept. 6 for following equipment for municipal auditorium: 1500 folding assembly chairs, cabinet construction, sections of four, standard coat finish; about 5000 opera chairs, upholstered spring seat, padded back or plain back; also quote on opera chairs with veneer seats and backs.

Sewers.—City of Baltimore, Md., Board of Awards, Milton J. Ruark, Sewerage Engr. —Receives bids Aug. 12 for storm drains and sanitary sewers in Sewer Districts H-5, J-5, 38-A and 39, as embraced in storm sewer contract No. 64; work includes 780 ft. of 6x4-ft., 1000 ft. of 5x4-ft., 1020 ft. of 5x4-ft. reinforced concrete box drain; 1120 ft. brick and concrete drain, 36, 42 and 48 in. in diam.; 3480 ft. of reinforced concrete pipe drain from 24 to 54 in. in diam.; 3340 ft. 15-in. to 24-in. vitrified pipe drain; 2330 ft. of 12 to 18-in. vitrified pipe inlet connections; 15,850 ft. 8 to 15-in. vitrified pipe sewer; 2900 ft. of 6-in. vitrified pipe house connections; 2000 ft. of 8-in., 4500 ft. 6-in., 2000 ft. 4-in. underdrain; 1060 vertical ft. of standard manholes.

Sewer.—City of San Augustine, Tex. —Receives bids Aug. 10 for construction of sanitary sewer system; W. A. French, City Engr.

Sewer.—City of Winchester, Tenn., R. J. Shasteen, Mayor. —Receives bids Aug. 27 for construction of sanitary system; C. H. Jenks, Engr., Union City.

Sewerage Disposal Plant.—City of Vero Beach, Fla., H. G. Redstone, Clerk. —Receives bids Aug. 27 for construction of separate sludge digestion sewerage disposal plant, reinforced concrete construction, complete with pumps, piping, tile sewer connections, manholes and sledge beds; Carter & Damerow, City Engrs., Seminole Bldg.

Shear and Punch.—Guyan Machine Shops, Logan, W. Va. —Shear and punch for plate up to 3/4-in.

Soap Powder and Metal Cleaner.—U. S. Marine Corp., Quartermaster's Dept., Washington, D. C. —Receives bids Aug. 10 for furnishing 19,968 lbs. soap powder and 1 bbl. metal cleaner; delivery Quantico, Va.; Sch. 87.

Spring Band Shrinking Outfit.—Taylor-Perker Co., Water St. and Commerce Place, Norfolk, Va. —Wants machine, new or second-hand, used in shrinking bands on heavy locomotive springs.

Stage Curtain.—U. S. Veterans Bureau, Supply Division, Washington, D. C. —Receives bids Aug. 10 for one stage curtain with necessary accessories; prices include installation in recreational building at U. S. V. H. No. 42, Perry Point, Md.

Steam Roasting Oven.—U. S. Veterans Bureau, Supply Division, Washington, D. C. —Receives bids Aug. 12 for steam roasting oven for the U. S. V. Hospital, San Francisco, Cal.; prices f.o.b. point of shipment.

Steam Shovel.—R. E. Boggs (Mech. Dealer), 707 Age-Herald Bldg., Birmingham, Ala. —Prices and full information on Type "B" Erie steam shovel; Alabama delivery.

Sterilizers.—U. S. Veterans Bureau, Supply Division, Washington, D. C. —Receives bids Aug. 12 for 3 instrument sterilizers, electric; prices f.o.b. point of shipment.

Steel.—Guyan Machine Shops, Logan, W. Va. —Wants 30-45 carbon, 2-in. to 5-in. diam.

Steel Lock Gates.—U. S. Engineer Office, Pittsburgh, Pa. —Receives bids August 14 to furnish and deliver steel lock gates for Lock No. 4, Allegheny.

Street.—Cape Girardeau, Mo. See Construction News—Road and Street Construction.

Street.—Maryville, Mo. See Construction News—Road and Street Construction.

Street.—McRay, Ga. See Construction News—Road and Street Construction.

Street.—Baltimore, Md. See Construction News—Road and Street Construction.

Street.—Mobile, Ala. See Construction News—Road and Street Construction.

Street.—Blackwell, Okla. See Construction News—Road and Street Construction.

Street.—San Benito, Tex. See Construction News—Road and Street Construction.

Street.—Stamford, Tex. See Construction News—Road and Street Construction.

Street.—Stamford, Tex. See Construction News—Road and Street Construction.

Underwear Machinery.—Brown Manufacturing Co., L. E. Brown, Pres., Andalusia, Ala. —Wants 50 to 75 machines for manufacture of athletic underwear.

Water Works.—City of Greenville, Tex., Mord C. Hale, Clk. —Receives bids Aug. 24 for improvements, including construction reservoir, channel and canal.

Water Works.—City of Fort Pierce, Fla., C. E. Cahow, Mayor. —Receives bids Aug. 12 for labor, tools and equipment for laying and constructing water mains, furnishing 6 miles of 6, 8, 10 and 12-in. cast iron water mains, together with fittings, gate valves, hydrants, etc.; The American Industries Engineering Co., Engr., New York; The Bishop Engineering Co., associates, Orlando.

Water Works Equipment.—City of Raleigh, N. C., E. E. Culbreth, Mayor. —Receives bids Aug. 26 to furnish and deliver 2 motor-driven centrifugal pumping units and starting compensators, each unit to have a capacity of 2100 gals. per minute against a discharge head of 350 ft.; William C. Olsen, Engr., Raleigh.

Wiring, etc.—City of Asheville, N. C., E. G. Thompson, Sec.-Treas. —Receives bids Aug. 17 for electric wiring and conduit work of Hall-Fletcher High School and for steam heating of Mountain St. School; C. Gadsden Sayre, Archt., Greensboro.

X-Ray Apparatus.—U. S. Veterans Bureau, Supply Division, Washington, D. C. —Receives bids Aug. 10 for X-ray apparatus, complete; prices f.o.b. point of shipment.

Trade Literature

Fuerst-Friedman Bulletin.

Bulletin 29 of the Fuerst-Friedman Company, 1292 E. 53d street, Cleveland, Ohio, contains hundreds of price revisions of stock products so as to enable customers to realize, it is stated, savings of from 35 to 50 per cent in purchasing properly rebuilt and guaranteed electrical power machinery.

Standard Air Turbine Motor.

Circular No. 12 of the Standard Turbine Corporation, Scio, N. Y., relates to the Standard air turbine motor which was developed to meet a demand for a reliable light-weight pneumatic motor for use with wire brushes for scaling ships, cleaning steel booms, cleaning castings in foundries, etc. It is simple and easily operated.

Zeiser Sidewalk Forms.

The Zeiser Form Co., Endicott, N. Y., have published an illustrated folder concerning their Zeiser all-steel sidewalk forms which are employed for quick and accurate laying of concrete sidewalks. It is claimed that they will pay for themselves on the first job. The descriptions are complete and the pictures show just how the forms work.

Fuller & Johnson Bulletin.

A new bulletin of the Fuller & Johnson Mfg. Co., Madison, Wis., gives full descriptions, with pictures, of the Fuller & Johnson Model AB two-cylinder engines. The company has been manufacturing machinery since 1840 and was among the pioneers in building and developing internal combustion engines. For many years it has specialized in making engines exclusively.

Strength and Beauty of Concrete.

The Portland Cement Association, 111 W. Washington street, Chicago, Ill., has published the 1925 edition of the "Editors' Reference Book on Cement and Concrete," which gives facts and figures about streets and roads, public improvements, the cement industry and construction. It is richly illustrated, some of the pictures being beautiful and interesting, notably that of the concrete reproduction at Nashville, Tenn., of the Parthenon of Athens.

A Booklet on Sales Organization.

"Management Methods" is the title of No. 3 of the series of booklets that the Metropolitan Life Insurance Company is publishing. This booklet tells about tendencies in sales organization and considers sales promotion, research and statistical departments, training, etc. An inset outlines the sales organizations of several well-known companies and provides illustrations which may convey suggestions of value to the readers of the publication.

Cars Moved Mechanically.

The Mead-Morrison Car Puller is fully shown and described in Bulletin No. 129 of the Beckwith Machinery Co., Front and Brown streets, Philadelphia, Pa. Several results at industrial plants are cited to prove the usefulness and economy of this device. One says that at a certain factory it used to take four men three or four hours to move a car of 50 tons capacity around a track 600 feet long, most of it up a slight grade, but now two of these car pullers, each pulling 300 feet, do similar work in twenty minutes, only one man operating the puller.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

General Electric Panelboards.

The General Electric Company, Schenectady, N. Y., have issued a large new catalogue entitled "Panelboards." The panelboards listed in this book are, it is noted, sufficiently varied in construction and application for any lighting, and most small power requirements of modern commercial or industrial buildings, hospitals, hotels, apartment houses or private residences. All of these panelboards meet the requirements of the National Electrical Code and the standards of the Underwriters' Laboratories, Inc. This publication, which is fully illustrated, is Bulletin GEA-11, and it supersedes Bulletin 47901.

Link-Belt Book on Peck Carrier.

The Link-Belt Company have just announced the publication of a new book of 68 pages describing improved methods for handling coal and ashes at boiler houses. It is beautifully illustrated, showing installations of the Peck Carrier in the boiler houses of different public buildings and also in many industrial plants. It contains much data of interest to engineers, architects and others. The carrier is also used to handle cement, sand, ore, etc. A copy of the book will be mailed to anyone interested on receipt of request addressed to the company at either Chicago, Indianapolis or Philadelphia.

Chain Belt Branch Opened.

E. J. Leffingwell has opened in Atlanta, Ga., a branch office for the Chain Belt Company of Milwaukee, Wis., and he will have charge of sales in Southeastern sales territory. He has been with the company for several years in the Rex Mixer department.

A New Flexco Belt Fastener.

A new smaller size has been added to the line of Flexco H. D. belt fasteners and it is intended for use on belts ranging from one-quarter to seven-sixteenths inch in thickness on both conveyor and heavy-duty power transmission service. Like the other size, it provides a tight butt joint with a great surplus of strength. It is known as No. 1 size, according to the manufacturers, the Flexible Steel Lacing Co. of Chicago, Ill. Samples will be sent on receipt of request by the company.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

H. D. Conkey & Co. Appointment.

H. D. Conkey & Co., Mendota, Ill., manufacturers of cranes, hoists, trolleys, industrial cars, factory trucks, etc., have appointed Page & Ludwick, 1417 Lytton Building, Chicago, Ill., as direct representatives in that city and vicinity.

District Manager Appointed.

The Robert W. Hunt Company, inspecting, testing and consulting engineers, Chicago, Ill., have appointed Fred M. Randlett as their district manager in the Pacific northwest sales territory and he will have headquarters in both Portland, Ore., and Seattle, Wash. He has been chief engineer of the water department of Portland for the last eight years.

Heil Company Makes Changes.

The Heil Company, manufacturers of tanks, bodies, hoists, etc., Milwaukee, Wis., has issued announcement of the new address of the Heil Northwestern Sales Co. at St. Paul, Minn., this being at 2651 University avenue, on the midway between St. Paul and Minneapolis. E. E. Moore and Clarence R. Sundbloom have charge. It is also important to note that the name of the Spinks Supply Co., Memphis, Tenn., Heil distributors, has been changed to Universal Equipment Co., Inc., with new location on Riverside boulevard. The Heil Co. has also appointed the Watkins Commercial Body Co., Buffalo, N. Y., to be distributors and to give service.

New Pipe Bending and Supply Co.

The E. F. Keating Pipe Bending & Supply Co., Hartford, Conn., was recently formed with an authorized capitalization of \$150,000 of all common stock, under a Connecticut charter. E. F. Keating is president; H. K. Herbinson, vice-president, and Charles J. Cannon, secretary. The plant in West Hartford is equipped to fabricate power plant piping, including the bending and vanning of all tubular products, genuine wrought iron pipe, full weight steel pipe and brass and copper tubing. Equipment is also in operation for coiling these products. The company will also make hot water service heaters and ammonia receivers and the supply department will be ready soon to supply pipe, boiler tubes, fittings, valves and miscellaneous supplies. M. Readey, G. Bronson Philhower and Hearne E. Neely are also with the company. The New York office is at 452 Water street, New York city.

Standard Service on Coal.

The Standard Coal Buyers Service, 910 Robson-Prichard Bldg., Huntington, W. Va., Wightman D. Roberts, director, furnishes purchasers of coal official analysis of any such fuel, information as to the responsibility of any shipper, location of any mine and the character of any seam worked, etc. Associated with Mr. Roberts in an advisory capacity is F. R. Wadleigh; also Chas. E. Krebs and F. S. Schoew.

New West Penn Bond Issue.

Announcement is made elsewhere in this issue of an offering to investors of \$13,200,000 first lien and refunding mortgage 5½ per cent gold bonds of the Monongahela West Penn Public Service Company, due February 1, 1953, interest payable February 1 and August 1. The bankers offering these securities are Halsey, Stuart & Co., Inc., W. C. Langley & Co., E. H. Rollins & Sons, W. A. Harriman & Co., Hambleton & Co. and Dominick & Dominick. Further particulars will be found in the advertisement.

du Pont's Large Increase of Sales.

The semi-annual statement to the stockholders of E. I. du Pont de Nemours & Co., Wilmington, Del., covering the six months ended June 30, shows that the net sales of \$56,613,212 during that period exceeded the net sales of the corresponding period last year by about 18½ per cent. Provision is made to capitalize \$38,019,360 of surplus by payment of a common stock dividend in common shares on August 10. Allowing for this increase in common stock the earnings for the first six months this year would be 6.70 per cent, compared with 5.85 per cent a year ago, or at a yearly rate of 13.40 per cent.

Revivo Bond Used With Molding Sand.

Revivo Bond, manufactured by the New York & Pennsylvania Clay Products Co., P. O. Box 1024, Rochester, N. Y., is made for the purpose of mixing with used or worn out molding and core sand, to renew their usefulness. Its components are high-grade fire clays, which create cohesiveness in the old sand, supplying that portion of the original bond that was burned out by the hot metal. Being refractory, these clays are little affected by high heat and they therefore aid in producing clean castings. The Brown Car Wheel Works, Inc., Buffalo, N. Y., and the Symington Co. of Rochester are mentioned as having used this bond for several months.

Automatic Operation of Centrifugal Pumps.

"The Automatic Operation of Centrifugal Pumps" is the title of a new twenty-four-page bulletin issued by Barrett, Haentjens & Co., Hazelton, Pa. It describes methods used to make centrifugal pumps start, stop and run without constant attention, and shows how various automatic-control devices can be used to insure protection against damage to the pump due to loss of water, suction air leaks and other operating difficulties. The subject is treated in both a popular and a strictly technical manner. Copies of the bulletin may be obtained from the firm on request.

Westinghouse's New Transformer Plant.

A fully-equipped plant of large capacity for the carrying on of straight-line production of transformers has been erected at Sharon, Pa., by the Westinghouse Electric and Manufacturing Company. This plant covers 42 acres and has a floor space of 700,000 square feet. At present this plant is employing 2500 men, with possibilities of taking care of 3500 men when the complete power transformer section is moved. The outstanding feature in the plant is the immensity of one of the buildings. This is 1200 feet long, 150 feet wide and 86 feet high. Inside is a 75-ton crane, having a span of 85 feet, used for lifting the heavy power transformers. There are three other large buildings.

York Ice and Refrigerating Machines.

The York Manufacturing Company, York, Pa., between June 30 and July 28 made 185 sales and installations of ice-making and refrigerating machinery throughout the country, including 57 at different places in the South as follows: Spindale, N. C.; Gulfport, Miss.; Dallas, Tex.; Rome, Ga.; Clarksdale, Miss.; Tacon, Ala.; West Liberty, Ky.; Burlington Junction, Mo.; Savannah, Ga.; Greenville, S. C.; Philadelphia, Miss.; Edwards, Miss.; St. Louis, Mo.; Alexandria, La.; Durham, N. C.; Oklahoma City, Okla.; Richland Springs, Tex.; Statesboro, Ga.; Atlanta, Ga.; Washington, N. C.; Vidalia, Ga.; Cross Plains, Tex.; Stamford, Tex.; Auxler, Ky.; Thealka, Ky.; Florence, S. C.; Atoka, Okla.; Brevard, N. C.; Suffolk, Va.; Franklin, La.; Lubbock, Tex.; Hearne, Tex.; Birmingham, Ala.; Baltimore, Md.; Washington, D. C.; New Orleans, La.; Eldorado, Ark.; Charleston, W. Va.; Quincey, W. Va.; Petersburg, Va.; Edmond, Okla.; Louisville, Ky.; Cornella, Ga.; Sumter, S. C.; Harrisonburg, Va.; Sparlin, W. Va.; Dade City, Fla.; Charleston, W. Va.; The Plains, Va.; Beckley, W. Va.; Huntington, W. Va.; Kansas City, Mo. At several places more than one installation was made.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

\$250,000 Medical Office Building for Austin.

Austin, Texas, August 1—[Special.]—Plans have been made for the erection of a 12-story steel and concrete medical office building at East 7th and Brazos streets, this city. The building will cost \$250,000 and will be erected by the Medical Arts Building Co., which is being organized by Dr. Z. T. Scott, Dr. F. W. Gregg and associates.

Baltimore County Sells \$250,000 of School Bonds.

Towson, Md.—Baltimore county school bonds in the amount of \$250,000 have been sold to a syndicate composed of Strother, Brogden & Co., Mackubin, Goodrich & Co. and the Continental Co., all of Baltimore, on a bid of 104.17. It is understood that the entire issue has been resold to individual investors at a price to yield 4.10 per cent.

To Vote on \$1,500,000 Bond Issue.

Brownville, Texas.—An election will be held in Cameron county on August 18 on a bond issue of \$1,500,000 for the construction of levees, drainways and other facilities to control floods of the Rio Grande River. Work will be in charge of W. O. Washington, county engineer, with W. E. Anderson as consulting engineer. Should the bonds be voted, they may be issued in three series of \$500,000 each, or two of \$750,000, as the work progresses. Oscar C. Dancy of this city is the county judge.

Elaborate New Hotel for Miami.

A new hotel to be erected at Melrose Heights, Miami, Fla., by Joachim Fritz of that city is estimated to cost \$1,266,000, general contract having been awarded, as previously reported, to George Jahn, Inc., Miami. The building will be entirely fire-proof, providing space on the first floor for 22 shops. It will contain 237 guest rooms with bath and ballroom large enough to accommodate conventions, beside a commodious dining room and lobby. Provision has also been made for servants' quarters and garage in connection with the hotel, and for a swimming pool and tennis courts. H. George Fink of Miami is the architect.

In addition to the general contract, other contracts have been awarded as follows: Plumbing, heating and electric wiring, Riggs-Distler Co., Baltimore; elevator, Otis Elevator Co., New York; steel girders, Lukens Steel Co., New Orleans, and reinforcing to Southern G. F. Co., Atlanta. Plastering, masonry work, concrete work, painting and carpentry work will be done by the general contractor.

"Typical American Home" for France.

The French Government is planning to introduce into the home life of France the methods, equipment and devices which have simplified the labor problem of the American housewife, according to a statement made by Arthur Williams, vice-president, commercial relations, of the New York Edison Company, in a recent address before the Rotary Club of Brooklyn, N. Y. Mr. Williams is president of the American Committee for the International Exhibition of Household Appliances and Labor-Saving Devices, which will be held at Paris next fall under the auspices of the French National Office of Industrial Research and Inventions.

Also, Mr. Williams announced that construction is now under way on the model American Home, which will be shipped abroad, fully equipped with early American furnishings and every available modern labor-saving device for exhibition in the American Section of the International Exhibition. Following this exhibition, Mr. Williams said, the house will be presented as America's gift to the citizen of France who has been judged by a French committee to have rendered the greatest service to humanity in recent years. The house will be erected on a site chosen by the person to whom it is awarded.

"There has been a remarkable development, to which great emphasis has been given since the war, in the application of power for the lightening of home duties," said Mr. Williams. "Modern power in the home is transforming the home worker from the drudge of the past to the household engineer; it is giving her more time, opportunity and encouragement to think and plan, rather than merely labor, and time to enter more actively in the wider walks of life outside of the home. The French Government is awake to the new spirit that is entering the American home, and it is actively engaged now in the introduction of this new idea into the homes of that great republic."

The "typical American home," to be sent to France as a gift, will cost close to \$50,000 when fully equipped; it will have 10 rooms, the furnishings of which have been contributed to the committee.

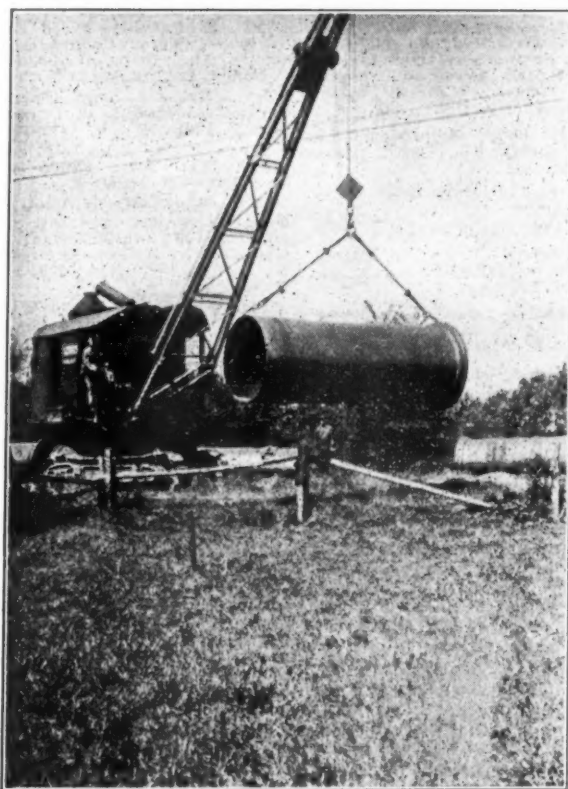
Nashville to Sell \$1,000,000 of Bonds.

Nashville, Tenn.—Bids will be received until August 14 by S. H. McKay, city clerk, for the purchase of \$1,000,000 of water-works improvement bonds of this city. They will bear an interest rate not exceeding 6 per cent, and bidders are requested to name the rate of interest on multiples of one-fourth of 1 per cent.



HOTEL FRITZ, NOW UNDER CONSTRUCTION AT MIAMI.

Easily Installed



Cast Iron Pipe

is easily handled and may be quickly and cheaply installed.

Man power alone is needed to lower the smaller pipe into the trench, and for the larger sizes a simple form of crane is sufficient.

In the trench, the bell and spigot joint is easily made up. It is the standard for water installations, and all water works superintendents will vouch for its permanence.

Good for Centuries

United States Cast Iron Pipe & Foundry Co.

General Office, Burlington, New Jersey

SALES OFFICES:

Philadelphia, 1421 Chestnut St.
Pittsburgh, Henry W. Oliver Bldg.
New York, 71 Broadway
San Francisco, Monadnock Bldg.

Chicago, 122 S. Michigan Blvd.
Birmingham, 1711 American Trust
Building
Kansas City, Mo., Interstate Bldg.

Minneapolis, Plymouth Bldg.
Cleveland, 1150 E. 26th St.
Buffalo, 957 E. Ferry St.
Dallas, Magnolia Bldg.

FINANCIAL NEWS

Bond Issues Proposed

Ala., Selma—Courthouse—Dallas County Board of Revenue, W. M. Vaughan, Judge, plans selling \$50,000 bonds in Oct.*

Ark., Little Rock—Building—State Debt Board, Jim B. Higgins, Sec. of State, receives bids Aug. 25 for \$650,000 5% \$1000 denom. bonds.

Fla., Bronson—Road and Bridge—Levy County Commrs., L. W. Drummond, Clk., receives bids Aug. 17 for \$60,000 6% \$1000 denom. Special Road and Bridge Dist. No. 10 bonds. Lately noted bids July 25.

Fla., Clearwater—Road and Bridge—Pinellas County Commrs., K. B. O'Quinn, Clk., receives bids Aug. 11 for \$425,000 6% \$1000 denom. Special Road and Bridge Dist. No. 12.

Fla., DeLand—Inlet—Volusia County plans voting in Sept. on \$1,500,000 bonds. Address County Commrs.

Fla., Fernandina—Road—Nassau County contemplates bond election; N. A. Hotard, Engr., New Smyrna.

Fla., Groveland—Municipal Improvement—Town votes Aug. 18 on \$100,000 bonds; \$40,000, water works; \$15,000, city hall; \$10,000 park; \$35,000, street improvement; A. W. Newett, Mayor.

Fla., Live Oak—Municipal Improvement—City votes Aug. 25 on bonds. Address City Clk.

Fla., Live Oak—Road—Suwanee County contemplates \$3,000,000 bond election. Address County Commrs.

Fla., Melbourne—Municipal Improvement—City plans voting on \$750,000 bonds for streets, sidewalks, white way, parks. Address City Clk.*

Fla., Miami—School—Dade County Board of Public Instruction, Chas. M. Fisher, Sec., receives bids Aug. 28 for \$3,800,000 5% bonds.

Fla., Monticello—Road—Jefferson County contemplates bond issue. Address Chamber of Commerce, Monticello.

Fla., Monticello—Street Paving—Town voted bonds. Address Town Clk.*

Fla., New Port Richey—Municipal Improvement—Town, Elroy M. Avery, Mayor, votes Aug. 18 on \$150,000 bonds; \$100,000 water works; \$10,000 storm sewers; \$40,000 city's portion for sanitary sewers. Lately noted votes July 21.

Fla., Ormond—Town, John W. Robinson, Town Clk., receives bids Aug. 29 for \$263,000 6% bonds; \$112,000 water works distribution assessment bonds of 1925, and \$151,000 Ormond paving and drainage assessment bonds 1925.

Fla., Orlando—City issued \$175,000 auditorium and \$500,000 refunding bonds; W. B. Crawford, City Atty.

Fla., Pensacola—Muscle Shoals, Birmingham & Pensacola R. R. Co., A. S. Butterworth, Ch. Engr., Pensacola, requested authority Interstate Commerce Comm. to issue \$2,500,000 bonds.

Fla., Pensacola—Municipal Improvement—City votes Aug. 18 on \$500,000 bonds; \$120,000, sanitary sewers; \$40,000, extend storm sewers; \$150,000, street improvement; \$50,000, extend and improve water works; \$1000 to purchase land to erect fire department buildings; \$4000, fire department building; \$20,000, fire fighting equipment; \$25,000, acquire land for parks and playgrounds and improvements; \$100,000, land for golf course. Address City Clk.*

Fla., Plant City—Municipal Improvement—City, W. C. Wells, Mayor, votes Sept. 1 on \$420,000 bonds; \$50,000, hospital; \$30,000, repair septic tank; \$160,000, water works; \$3000, survey maps; \$18,000, drainage; \$5000, cemetery; \$25,000, library; \$10,000, streets; \$5000, armory; \$25,000, white way; \$48,000, purchase produce yard and increase platform facilities; \$26,000, fire department and alarm system; \$15,000, park.*

Fla., Tampa—School—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., 913 New Orleans Ave., receives bids Aug. 25 for \$250,000 6% \$1000 denom. bonds.*

Fla., Tarpon Springs—Municipal Golf Course—City defeated \$60,000 bonds; H. Joe Smith, City Clerk.*

Fla., Tavares—Road and Bridge—Lake

County Special Road and Bridge Dist. No. 11 votes Sept. 8 on \$220,000 bonds; T. C. Smyth, County Clk.

Fla., Tavares—Lake County Commrs., T. C. Smith, Clk., receives bids Aug. 26 for \$75,000 6% East Lake County Special Road and Bridge Dist.; \$12,000 indebtedness, \$40,000 courthouse bonds.

Fla., Verna—Municipal Improvement—City voted \$80,000 bonds; J. T. Hodge, Mayor; G. T. Smith, Clk.

Fla., West Palm Beach—Municipal Improvement—City, Henry Stephens Harvey, Mayor, voted \$2,000,000 bonds; \$35,000 sprinkler system; \$568,500, parks; \$11,500, casino; \$50,000, install fire and police alarm system; \$35,000, signal system; \$50,000, purchase fire apparatus; \$175,000, central fire and police station; \$35,000, municipal garage; \$60,000, trucks, rollers, etc.; \$80,000, incinerators; \$25,000, street signs; \$120,000, sidewalks; \$100,000, paving assessments, etc.; \$220,000, seawalls; \$50,000, sewer and water; \$100,000, opening streets; \$225,000, water mains; Hugh J. Daugherty, Clk.*

Fla., West Palm Beach—Improvement—City, Hugh J. Daugherty, Clk.-Treas., plans selling \$300,000 bonds.

Ga., Atlanta—Street Paving—City plans selling in Aug. \$258,000 baby bonds; Lawrence James, Asst. City Comptroller.

Ga., Brookfield—School—Brookfield School Dist. votes Aug. 19 on \$10,000 bonds. Address Pres. Board of Trustees.

Ga., Chula—School—Chula Consolidated School Dist. votes Aug. 25 on \$12,000 bonds. Address Pres. Board of Trustees.

Ga., Elberton—Bridge—Elberton County votes Aug. 26 on bonds. Address County Commrs.

Ky., Maysville—Road—Mason County voted \$350,000 bonds; Jas. H. Rees, County Atty.*

Ky., Paducah—School—Paducah Board of Education plans calling election in Nov. on \$175,000 bonds.

La., Baton Rouge—Road—East Baton Rouge Parish voted \$50,000 bonds. Address Police Jury.*

Miss., Laurel—City Comm. plans selling \$225,000 school and \$200,000 road bonds; M. W. McLaurin, Mayor.*

Miss., Meridian—Municipal Improvement—City, W. T. White, Clk.-Treas., voted \$45,000 bonds; \$25,000, sewerage; \$20,000, street improvement.*

Mo., Farmington—Courthouse—St. Francois County votes Aug. 11 on \$250,000 bonds. Address County Commrs.*

Mo., Springfield—Viaducts, Subway—City contemplates bond election; Geo. W. Culler, City Engr.

N. C., Fremont—Water, Sewer, Street—Board of Aldermen, Gela Flowers, Town Clk., receives bids Aug. 11 for \$25,000 6% \$1000 denom. bonds.

N. C., Hickory—Improvement, Indebtedness—City receives bids Aug. 11, for \$130,000 bonds. Address Supt. of Public Works Bailey.

N. C., Jackson—North Hampton County, Board of Commrs., S. J. Calvert, Clk., receives bids Aug. 8 for \$24,000 6% \$500 denom. bonds.

N. C., Mt. Holly—Water Works—Board of Aldermen, J. W. Holland, Town Clerk, receives bids Aug. 12 for \$20,000 5½% \$5000 denom. bonds.

N. C., Weldon—Water Works—Town, R. E. Loven, Clk., receives bids Aug. 25 for \$20,000 6% \$500 bonds.

Okla., Okemah—Flood Control and Reclamation—Okfuskee County contemplates \$1,000,000 bond issue; Ben Harrison, County Agt.

Okla., Walters—Dam—City voted \$16,000 bonds; A. F. Thompson, Engr.

S. C., Gaffney—Street Improvement—City defeated \$100,000 bonds; R. A. Jones, Mayor.*

Tenn., Brownsville—Municipal Improvement—City voted \$45,000 water and \$40,000 street bonds. Address City Clk.*

Tenn., Clinton—Municipal Improvement—City, C. G. Medaris, Mayor, voted \$240,000 bonds; \$105,000 water works, \$60,000 sewer, \$75,000 school.*

Tenn., Englewood—School—City voted \$20,000 bonds; Alton Calfee, Mayor.*

Tenn., Kingsport—City, F. L. Cloud, Mgr., receives bids Aug. 18 for \$250,000 5% high school and \$20,000 6% public improvement bonds, each \$1000 denom.

Tenn., Nashville—Water Works—City, S. H. McKay, Clk., receives bids Aug. 14 for \$1,000,000 6% bonds.*

Tenn., South Fulton—Sewerage—City voted \$40,000 bonds. Address City Clk.

Tenn., Watertown—Water Works—City votes Aug. 18 on \$55,000 bonds. Address Board of Aldermen.

Tex., Angleton—Road—Brazoria County Demon. Dist., voted \$150,000 bonds. Address County Commrs.

Tex., Bastrop—Road—Bastrop County, Smithville Precinct voted \$25,000 bonds; J. B. Price, County Judge.

Tex., Brownsville—Flood Control and Prevention—Cameron County Commra. will call election Aug. 18 on \$1,500,000 bonds; Oscar C. Dancy, County Judge.*

Tex., Crowell—Road—Foard County defeated \$460,000 bond issue; Jesse Owens, County Judge.*

Tex., Edna—School—Edna Independent School Dist. voted \$8000 bonds. Address Pres. Board of Trustees.

Tex., Cotulla—Irrigation—La Salle County Board of Suprvs. will call election Sept. 15 on \$5,000,000 Cotulla Irrigation Dist. bonds; Nagle, Witt, Rollins Engineering Co., Keystone Bldg., Houston; 1304 Santa Fe Bldg., Dallas.*

Tex., Floresville—Water Works—City votes Aug. 18 on \$40,000 bonds. Address the Mayor.

Tex., Galveston—Indebtedness—Interstate Commerce Comm. granted authority Gu Colorado, Santa Fe R. R., F. Merritt, Ch. Engr., to issue \$17,000,000 bonds.

Tex., Hamilton—Sewer—City, R. F. Moore, Mayor, voted \$60,000 bonds.*

Tex., Hubbard—Water Works—City votes Aug. 18 on \$75,000 bonds. Address City Clk.

Tex., Plano—Street Paving—City voted \$15,000 bonds. Address City Clk.

Tex., Richardson—Water Works—City, T. F. McKamy, Mayor, votes Aug. 24 on \$50,000 5½% bonds; will sell \$45,000 5½% bonds.*

Tex., Snyder—Road—Scurry County, H. L. Holly, Judge, voted \$650,000 bonds.*

Va., Norfolk—Extension—Seaboard Air Line Ry. Co., W. D. Faucette, Ch. Engr., Norfolk, plans selling \$25,000,000 bonds.

Va., Potomac—Town voted \$15,000 fire house and jail bonds and \$9000 bonds to liquidate sewer debt; plans selling bonds. Address Town Clerk.*

Va., Suffolk—Improvement—City, R. H. Brinkley, City Mgr., receives bids Aug. 20, for \$140,000 5% bonds.

W. Va., Logan—Road—Logan County Court, T. J. Wysong, Clk., receives bids Aug. 15 for \$100,000 5% bonds.

Bond Issues Sold

Ala., Anniston—School—Board of Aldermen sold \$100,000 5% bonds to Ward, Sterne & Co., Birmingham, at par.*

Ala., Opelika—Paving—City, Henry K. Dickinson, Mayor, sold \$55,000 6% bonds to Caldwell & Co., Nashville, at \$103.60 and accrued interest.*

Ala., Sheffield—Municipal Improvement—City Comm. sold \$211,000 bonds jointly to Caldwell & Co., Nashville, and Ward, Sterne & Co., Birmingham, at \$102.05.*

Ark., Texarkana—School—Board of Directors of Special School Dist. of Texarkana, M. F. Chestnut, Sec., sold \$100,000 5½% bonds to M. V. Elkins, representing St. Louis Bank & Trust Co., at par.*

Fla., Inverness—School—Board of Public Instruction, I. O. Fender, Chmn., sold \$30,000 6% Special Tax School Dist. No. 13 bonds to Prudden & Co., Toledo, at \$30.50.*

Fla., New Port Richey—Municipal Improvement—Town, Elroy M. Avery, Mayor, sold \$150,000 bonds to J. R. Durrance & Co. at premium of \$100.*

Fla., Palm Beach—Town Hall—Town sold \$75,000 bonds to Farmers' Bank & Trust Co., Palm Beach, at premium of \$2300 and accrued interest.

Fla., Tavares—Bridge—Lake County Commrs., T. C. Smyth, Clk., sold \$150,000 bonds

(Continued on page 132)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Caldwell & Company

are constantly in the market for

INDUSTRIAL CORPORATION BOND ISSUES

FIRST MORTGAGE BOND ISSUES

for construction of office buildings, apartments, hotels and other business properties in Southern cities.

STATE, COUNTY, CITY, SCHOOL, ROAD
AND DRAINAGE BOND ISSUES

All inquiries will be treated as confidential. We will be glad to render every assistance at our command for the efficient handling of your loan requirements.

Caldwell & Company

Investment Securities

400 Union Street

Nashville, Tennessee

Offices in principal cities of the country

Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

A.C. ALLYN AND COMPANY

67 W. Monroe St., Chicago, Ill.

New York Milwaukee Minneapolis Boston

We Buy Bonds

City, County, School and Road from
Municipalities and Contractors

WRITE

THE PROVIDENT SAVINGS BANK & TRUST CO.
CINCINNATI OHIO

LOANS TO STATES, COUNTIES AND CITIES

Municipal Bonds

EYER & CO.

Established 1907

Correspondence Invited

46 Cedar Street

New York City

STATE—COUNTY—CITY

Financing

CURTIS & SANGER

49 Wall Street - NEW YORK

**RAILROAD, PUBLIC UTILITY
and INDUSTRIAL BONDS**

Entire Issues Bought

ROGER B. WILLIAMS, Jr. & CO.

Investments Bonds

67 Wall Street

New York

FIRST MORTGAGE REAL ESTATE BONDS

We finance the erection of apartments, office buildings and other business property, through purchase of first mortgage bond issues, in amounts of \$50,000 to \$200,000. Larger loans for construction and on completed buildings negotiated through our New York connections.

BRANNAN, BECKHAM & COMPANY

Wynne-Claughton Bldg.

Atlanta, Georgia

WE BUY MUNICIPAL BONDS

We are interested in the purchase of Southern Municipals including road, school, county, drainage and levee bonds.

M. W. ELKINS & CO.

Southern Trust Bldg.

Little Rock, Ark.

REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

MARX AND CO.

Brown-Marx Bldg.

Birmingham, Ala.

FINANCIAL NEWS

(Continued from page 130)

to Atlantic National Bank of Jacksonville, Prudden & Co., Toledo, and Seasingood & Mayer, Cincinnati, at \$151,530.*

Fla., Tavares—Road and Bridge—Lake County Comms., T. C. Smyth, Clk., sold jointly to Marx & Co., Stranahan, Harris & Oatis, Inc., both Toledo; Caldwell & Co., Nashville, \$750,000 Dist. No. 7 bonds at \$723,750; \$985,000 Dist. No. 8 bonds at \$956,585; to Atlantic National Bank of Jacksonville, 121 W. Forsyth St.; Prudden & Co., Toledo, and Seasingood & Mayer, 204 Ingalls Bldg., Cincinnati, \$900,000 Dist. No. 9 bonds at \$906,750; \$650,000 Dist. No. 10 bonds at \$650,000.*

Fla., West Palm Beach—School—Palm Beach County Board of Public Instruction, A. S. Anderson, Chmn., sold \$85,000 6% School Dist. No. 6 bonds to Prudden & Co., Toledo, at premium of \$8647.*

Ga., Blackshear—School—City, J. L. Grady, Clk., sold \$27,000 5% bonds to Hibernia Securities Co., Atlanta, Ga., at \$27,567.*

Md., Towson—School—Baltimore County Comms., John R. Haut, Ch. Clk., sold \$250,000 4½% bonds to syndicate composed of Strother, Brogden & Co., Calvert and Redwood Sts.; Mackubin, Goodrich & Co., 111 E. Redwood St., and Continental Co., Calvert and Baltimore Sts., at 104.17.*

Miss., Belzoni—School—Humphreys County sold \$10,500 6% Special School Dist. bonds to A. K. Tigrett & Co., Jackson, Tenn.

Miss., Laurel—Street Improvement—City sold \$126,000 6% bonds to Union & Planters Bank & Trust Co., Memphis, at premium of \$4165.

N. C., Burgaw—School—Pender County Comms., sold to Prudden & Co., Toledo, following 5½% bonds: \$25,000, Atkinson School Dist.; \$25,000, Long Creek-Grady School Dist.; \$30,000, Rocky Point Local Tax School Dist. bonds.*

N. C., Kenilworth—Municipal Improvement—Town sold \$40,000 6% bonds to Poor & Co., Cincinnati, at premium of \$1405; \$20,000, sewer; \$20,000, water.

N. C., Rockingham—Road and Bridge—Richmond County sold \$300,000 4¼% \$1000 denom. bonds to Braun, Bosworth & Co., Toledo, at premium of \$3333.*

N. C., Statesville—School—J. C. Fowler, Sec. School Committee, sold \$100,000 Statesville Graded School Dist. bonds to Drake, Jones & Co., Minneapolis, at premium of \$2090.*

Tenn., North Chattanooga, Sta. Chattanooga—Municipal Improvement—City sold \$100,000 5½% bonds to Caldwell & Co., Nashville, at premium of \$3850; W. S. Beck, Mayor.*

Tenn., Watertown—Water Works—Board of Aldermen sold \$55,000 bonds to I. B. Tigrett, Jackson, at premium of \$1200.

Tex., Abernathy—School—Abernathy Independent School Dist. sold \$50,000 5% bonds to Frank Middelkauff Investment Co., Wichita, Kansas, at par, accrued interest and premium of \$1276.*

Building and Loan Associations

Ala., Birmingham—Wahouma Savings Bank, 6518 First Ave., Wahouma Station, capital \$25,000, incorporated; J. T. Rhodes, Pres., 6424 First Ave.; C. E. Shelton, Cashier.

Ala., Gadsden—Citizens Building and Loan Assn., capital \$1,500,000, organized; C. B. Forman, Pres., Attalia; W. C. Bellenger, Jr., Sec., Gadsden.

Ky., Newport—Workingmen's Loan & Building Assn. plans increasing capital, \$1,600,000 to \$2,200,000.

Md., Baltimore—Dumbarten Building & Loan Assn., Inc., capital \$20,000, incorporated; William Anderson, 1513 Druid Hill Ave.

Md., Baltimore—Poplar Grove Building & Loan Assn. of Baltimore City, Inc., Mercantile Savings Bank Bldg., 201 W. Fayette St., capital \$650,000, incorporated; J. Dallas Kirwan, 1426 Harlem Ave.

Mo., Carthage—Home Savings & Loan Co. of Carthage, capital \$500,000, organized; S. C. Bogges.

Tenn., Nashville—Nashville Building and Loan Association, C. W. Griggs, Sec., Stahlman Bldg., plans increasing capital, \$500,000 to \$1,000,000.

W. Va., Huntington—Federation Building

& Loan Co., capital \$100,000, incorporated; C. A. Munson, R. N. Quillin.

New Financial Corporations

Ala., Camden—Bank of Camden plans increasing capital, \$30,000 to \$40,000.

Ala., Monroeville—First National Bank of Monroeville, capital \$50,000, incorporated; D. M. Maxwell, Pres.; Gilmore Massey, Cashier.

Ark., Helena—Merchants & Planters Bank of Helena, capital \$300,000, incorporated; Charles McKee, Pres.

Fla., Bartow—Kissenger Springs Investment Co., capital \$300,000, incorporated; Hugh W. Wear, Pres.; Ellis Gibson, Sec.

Fla., Bartow—Bartow Investment Co., capital \$10,000, incorporated; M. D. Wilson, E. B. Hatton.

Fla., Clearwater—Florida Investment & Realty Co., capital \$35,000, incorporated; Albert Z. Washburn, Pres.; A. W. Gage, Sec.

Fla., Cocoa—Provident Loan & Investment Co., incorporated; W. L. Sims, E. N. Winslow.

Fla., Fort Lauderdale—Girard Investment Co., capital \$25,000, incorporated; William Samuel, Jules Edelman.

Fla., Fort Myers—Dominion Investment Co., incorporated; E. F. Scott, K. L. Jeffcoat.

Fla., Jacksonville—Hamby-Taylor Investment Co., capital \$100,000, incorporated; T. B. Hamby, Pres.; Graham Bldg.; J. Glover Taylor, Sec.-Treas.

Fla., Jacksonville—Park Street Investment Co., capital \$50,000, Inc., Thomas B. Hamby, Pres., Graham Bldg.

Fla., Jacksonville—Atlas Investment Co., capital \$100,000, incorporated; John D. Baker, Viaduct St.

Fla., Jacksonville—Okeechobee Investment Co., incorporated; W. C. Johnson, 1831 St. John's Ave.

Fla., Jacksonville—Standard Investment Co., capital \$25,000, incorporated; Harry Katz, Dyal Upchurch Bldg.

Fla., Miami—Denman Investment Co., incorporated; J. L. Denman, H. L. Thomas.

Fla., Miami—Mutual Investors, Inc., incorporated; Charles A. Morehead, L. Pendrey.

Fla., Miami—Strand Investment Co., capital \$50,000, incorporated; Paul Kelly, Sec.-Treas., 809 Fifth St.

Fla., Miami—Mark H. German Investment Co., capital \$200,000, incorporated; Mark H. German, Pres., 516 N. Bay Shore Drive; F. W. Patterson, Sec.-Treas.

Fla., Miami—Palm Beach Securities Corp., capital \$50,000, incorporated; Robert S. Fish, Pres.-Treas.; O. Stephen Haas, V. P.-Sec.

Fla., Miami—White Springs Investment Co., capital \$300,000, incorporated; Mitchell D. Price, Pres., S. Miami Ave.

Fla., Miami—Williams & Pawley Investment Co., capital \$150,000, incorporated; Hugh G. Williams, 410 N. W. 17th Ave.

Fla., Naples—Casken Investment Co., capital \$25,000, incorporated; Duncan F. Kenner, Thomas A. Cassey.

Fla., Palatka—Liberty Finance & Mortgage Co., capital \$50,000, incorporated; George E. Seidler, Pres.; Charles Shawhouse, Sec.-Treas.

Fla., Sarasota—American Mortgage & Guaranty Co., capital \$50,000, incorporated; E. J. Bacon, Pres.; R. L. Walker, Sec.

Fla., St. Petersburg—Jefferson Investment Co., capital \$100,000, incorporated; W. N. Randle, Pres.; C. E. Porter, Sec.

Fla., Tallahassee—Associated Investors Corp., incorporated; Anton P. Wright, F. M. Chisholm.

Fla., Tampa—United States Mortgage & Investment Co., capital \$100,000, incorporated; Ely Meyer, Pres.; Howard Phillips, Sec.-Treas.

Fla., Tampa—Queen Investment Co., capital \$10,000, incorporated; Antonio Reina, Jose A. Franquis, 1506 Ninth Ave.

Fla., Vero Beach—Vero Beach Bond & Mortgage Co., capital \$50,000, incorporated; F. L. Knight, T. J. Campbell.

Fla., West Palm Beach—Palmwood Investment Co., Inc., incorporated; Bert Winters, Robert L. Earnest, Jr.

Fla., West Palm Beach—Palm Beach Mortgage Co., capital \$1,000,000, incorporated;

Geo. W. Platt, Pres.; Mumford F. Platt, Sec.-Treas.

Fla., Winter Haven—Southland Mortgage Loan & Investment Co., Lakeland, contemplates establishing branch office in Winter Haven; Porter Dunlap and R. S. Cornwall, representatives.

Fla., Winter Haven—Guaranty Securities Co., capital \$10,000, incorporated; T. R. Turner, I. E. Bamer.

Ga., Donaldsonville—Merchants and Farmers Bank, capital \$25,000, incorporated; P. S. Cummings, Sr., Pres.; W. H. Vanlandingham, Mgr.

Ga., Maitland—Bank of Maitland, capital \$15,000, incorporated; F. O. Spain, W. B. Joiner.

Ky., Mayfield—Kevil Investment Co., capital \$50,000, incorporated; J. U. Kevil, Ed Gardner.

Mo., Brookfield—First National Bank of Brookfield, capital \$100,000; W. E. Todd, Correspondent.

Mo., Kansas City—Kaw Finance Co., capital \$20,000, incorporated; Chester Bahl, 5001 Grand Ave.

Mo., Kansas City—Drovers National Bank in Kansas City, capital \$600,000, incorporated; H. L. Jarboe, Pres., 3714 Madison Place; C. H. Kelly, Cashier.

Mo., Kansas City—Conservative Mortgage Co., capital \$25,000, incorporated; Adam A. Given, L. E. Huber.

Mo., St. Louis—Southside Finance Corp., capital \$100,000, incorporated; C. Leonard Snell, Sec., 5246a Waterman St.

Mo., St. Louis—Missouri Industrial Loan Assn., capital \$40,000, incorporated; H. J. Mohler, 1753 S. Grand Ave.

Mo., St. Louis—Utility Securities Co. incorporated; John F. Gilchrist, Frank R. Evers.

N. C., Durham—Central Investment Co., capital \$20,000, incorporated; Geo. T. Watkins, Jr., E. Trinity Ave.

N. C., Southern Pines—Citizens Securities & Guaranty Co., capital \$500,000, incorporated; Robert N. and H. A. Page.

Okla., Hugo—National Bank of Commerce, capital \$50,000, incorporated; F. H. Suerwood, Pres., Ardmore.

S. C., Columbia—Finance Co. of America, National Loan & Exchange Bank Bldg., capital \$500,000, chartered; Charles D. Arthur, Gen. Mgr., 1521 Senate St.; formed by Finance Co. of America of Baltimore, Md., Louis Ellsberg, Pres., Munsey Bldg.

Tenn., Big Sandy—Bank of Big Sandy, capital \$10,000, organized; A. S. Justice, J. L. Nobles.

Tenn., Memphis—Bradley Investment Co., capital \$25,000, incorporated; Nathan Bradley, 1971 Union St.

Tex., Center—Automobile Finance Co. of Center, capital \$30,000, incorporated; W. I. Davis, R. Saunders.

Tex., Cisco—First National Bank in Cisco, capital \$50,000, incorporated; C. H. Fee, Pres.; A. Spears, Cashier; succeeds First State Bank of Cisco.

Tex., Dallas—Motor Finance Co., incorporated; G. B. Morgan, 3649 Stratford St.

Tex., Dallas—Textile Securities Co., incorporated; W. L. Jones, 517 S. Van Buren St.

Tex., Dallas—Dallas Mortgage Loan Co., capital \$30,000, incorporated; W. C. Everett, 109 Field St.

Tex., McAllen—First National Bank of McAllen, reorganized; R. E. Frisby, Pres.; W. M. Pegg, Cashier, Ada, Okla.

Tex., San Antonio—J. E. Jarratt Mortgage Co., Frost National Bank Bldg., capital \$100,000, incorporated; J. E. Jarratt, George K. Murray.

W. Va., Charleston—United Loan & Realty Co., 703 Virginia St., capital \$25,000, incorporated; W. P. Gore, L. F. Shannon.

W. Va., Wheeling—General Finance Co., capital \$300,000, incorporated; Harry L. White, 53 S. Pennsylvania St.

President Elected.

Announcement cards sent out by Manning, Maxwell & Moore, Inc., 100 E. 42d street, New York city, state that the directors have elected John F. Schuch president of the company. F. M. Kreiner is secretary.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

WE extend the facilities of our organization to those desiring information or reports on companies with which we are identified.

Electric Bond and Share Company

(Incorporated in 1905)

Paid-up Capital and Surplus, \$70,000,000

71 Broadway

New York

The Magnitude of the South's Business

The growth of the South is attracting the attention of the business world as never before.

Is your business expanding? Do you need increased banking facilities?

We invite correspondence.

BALTIMORE COMMERCIAL BANK

GWYNN CROWTHER, President

Pratt Street and Market Place, Baltimore, Md.

Capital and Surplus \$1,000,000.00

Member Federal Reserve System

1884 Southern men and women who lived in, or visited Baltimore in the period when this Company was established—which was the year of 1884—will be interested, we believe, in our anniversary book "The Early Eighties: Sidelights on the Baltimore of forty years ago." A copy will be sent upon request.

MERCANTILE TRUST & DEPOSIT CO. OF BALTIMORE

Resources \$21,000,000. A. H. S. POST, Pres. F. G. BOYCE, Jr., Vice-Pres.

Mr. R. E. Simpson, General Manager, Southern Railway System, Charlotte, N. C., in writing about

"THE SOUTH'S DEVELOPMENT"

a special publication issued by the Manufacturers Record,

Says: "It certainly contains information never before published, and having in mind your past interest in the development of the South as well as your present, it should work wonders in causing the development of the resources of the land below the Mason and Dixon line to be more extensively used. The South's Development you so kindly sent me will be carefully read and placed in the archives for immediate use and reference."

THE BANK OF ALABAMA

ENSLEY, ALABAMA

R. A. TERRELL President
J. W. MINOR Vice-President
FOSTER HAMILTON Cashier

We Solicit Your Business

Delaware Corporations
Forms, Law and Pointers
Estimates of Cost Furnished Without Cost

DELAWARE REGISTRATION TRUST CO.

100 West Tenth Street
Wilmington, Del.

J. Ernest Smith, President and General Counsel.
Chas. Warner Smith, Vice-President.
Harry W. Davis, Secretary and Treasurer.

BLACK & COMPANY

(WILMER BLACK, C. P. A.)

CERTIFIED PUBLIC ACCOUNTANTS

OFFICES:

Suite 1208 GARRETT BUILDING - BALTIMORE, MD.
6 HAMILTON ROW - HAGERSTOWN, MD.

YOUNG & SELDEN COMPANY

MANUFACTURING

Bank and Commercial Stationers

BALTIMORE, MD.



ALUMINUM TRADE CHECKS



for Commissaries, Factories and Mines, in denominations of 1c to \$1.00. Metal checks for any purpose.

Write for prices.

Bennett Printing & Stamp Co.
25 South Pryor St. Atlanta, Ga.

FOURTH NATIONAL BANK

MACON, GA.

In close touch with all of Georgia, offers its aid to those interested in that State.

MARYLAND TRUST COMPANY

BALTIMORE

Transacts a General Trust and Banking Business

Correspondence and interviews invited

CAPITAL, \$1,000,000

New Offering**\$13,200,000****Monongahela West Penn Public Service Company****West Penn System****First Lien and Refunding Mortgage 5½% Gold Bonds, Series B****Due February 1, 1953**

Dated February 1, 1923. Interest payable February 1 and August 1 in New York and Chicago without deduction for Federal Income Tax not in excess of 2%. Coupon Bonds in denominations of \$1,000, \$500 and \$100.

Mr. G. M. Alexander, President of the Company, summarizes his letter to us as follows:

The Company: Monongahela West Penn Public Service Company, a subsidiary of The West Penn Company, is the largest electric light, power and railway property in the State of West Virginia and forms an important part of the extensive super-power system supplying electric light and power to the great industrial area in southwestern Pennsylvania adjacent to Pittsburgh and including northern and central West Virginia. The Company also supplies city and interurban railway service to a number of important cities as well as natural gas in Fairmont and vicinity.

Security: These Bonds, in the opinion of counsel, are secured by a first mortgage on important electric property; by pledge of \$6,478,500 of the \$10,225,500 outstanding First (and Refunding) Mortgage Bonds due 1942, which bonds are secured by a first mortgage on two power stations with over 75% of the total installed generating capacity of the Company and its subsidiary, on certain street and interurban railway, gas and other properties; by a mortgage on the remainder of the Company's property subject to outstanding divisional bonds, and by pledge of \$673,000 subsidiary company bonds. There are now outstanding with the public \$5,099,900 divisional and subsidiary company bonds.

Earnings: The growth of this Company and its predecessor companies is illustrated by the following table:

Year	Gross Earnings, including Other Income	Net Earnings before Reserve for Renewals and Replacements	Accrued Interest on Funded Debt
*1925	\$6,975,450	\$2,448,649	\$970,139†
1924	5,497,917	2,018,876	960,391
1923	5,145,026	1,837,789	875,133
1922	4,436,652	1,487,352	879,771
1921	4,477,704	1,492,541	883,249
1920	4,683,513	1,533,735	829,903
1919	3,842,867	1,420,186	698,434
1918	3,021,918	1,084,436	501,697
1917	2,509,365	1,122,327	472,789

Increase:			
1917-1925	178%	118%	104%

*12 Months ended March 31, 1925.

†Annual interest requirements on the total funded indebtedness to be outstanding with the public, including this issue, amount to \$1,224,250.

During the 12 month period ended March 31, 1925, approximately 72% of net earnings was derived from the sale of electric current for light and power as compared with about 12% in 1917 from the same source.

Management: The American Water Works and Electric Company, Inc., controls through stock ownership properties constituting the West Penn System of which Monongahela West Penn Public Service Company is an important part.

Price 98 and interest, yielding about 5.65%

Circular giving further information will be sent upon request.

Halsey, Stuart & Co.
Incorporated

E. H. Rollins & Sons

Hambleton & Co.

W. C. Langley & Co.

W. A. Harriman & Co.
Incorporated

Dominick & Dominick

These bonds are offered for delivery when, as and if issued and accepted by us and subject to approval of counsel. It is expected that definitive bonds will be ready for delivery on or about August 14, 1925. All statements herein are official or are based on information which we regard as reliable, and while we do not guarantee them, we ourselves have relied upon them in purchase of this security.

New York, August 4, 1925.

New Issue

(All of these bonds have been sold.)

July 31, 1925

\$25,000,000

Seaboard-All Florida Railway**First Mortgage 6% Gold Bonds, Series A**

To be dated August 1, 1925

Due August 1, 1935

The mortgaged lines will be leased to Seaboard Air Line Railway Company for at least fifty years from August 1, 1925 at minimum annual net rental, upon completion of construction, equal to annual interest charges on bonds outstanding under the mortgage.

Coupon Bonds in interchangeable denominations of \$1,000 and \$500. Bonds of \$1,000 denomination registerable either as to principal only or as to both principal and interest. Fully registered bonds and coupon bonds interchangeable. Redeemable as a whole only on any interest date on 60 days' notice, to and including August 1, 1926 at the principal amount thereof plus a premium of 3%, and thereafter at the principal amount thereof plus a premium of 1/4% for each full year to elapse prior to August 1, 1935. Interest payable February 1 and August 1, without deduction for the Federal Normal Income Tax up to 2% per annum. The corporation is to refund the Pennsylvania Four-Mills Tax, the Maryland 4 1/2-Mills Tax, the Connecticut State Tax up to Four Mills, and the Massachusetts Income Tax up to 6% annually, if application be made in each case within 60 days after payment. Principal and interest payable at the office of Dillon, Read & Co., New York. It is expected that application will be made in due course to list these bonds on the New York Stock Exchange. Bankers Trust Company, New York, Corporate Trustee.

Seaboard Air Line Railway Company will unconditionally guarantee principal and interest by endorsement on each bond.

For details regarding this issue of bonds we call attention to the letter of Mr. S. Davies Warfield, President of Seaboard Air Line Railway Company, which he summarizes as follows:

SECURITY

"These bonds will be secured by direct first mortgage liens to the aggregate principal amount of the bonds on a total of approximately 468 miles of main lines of Seaboard-All Florida Railway, Florida Western & Northern Railroad Company and East and West Coast Railway, all three of which companies will join in the bonds and mortgage. Included in this 468 miles of line are 204 miles of Florida Western & Northern Railroad Company and 47 miles of East and West Coast Railway, all now in operation, and a proposed extension on the east coast of Florida from West Palm Beach (Palm Beach) to Miami and other east coast points and a proposed extension of the main lines of the Seaboard Air Line System on the west coast through Ft. Myers and beyond. The lines of these three companies, including those in operation and those to be constructed, will be leased to Seaboard Air Line Railway Company. The extension to Miami and beyond will form an integral part of the main line of the Seaboard Air Line System, thus making it the only railroad system operating trains over its own rails from Richmond to Miami and other points on the east coast of Florida. In connection with the Tampa line of the Seaboard Air Line System, the lines of Florida Western & Northern Railroad Company form the only through line of railroad across the peninsula of Florida connecting the two coasts.

These bonds will be further secured by pledge of the lessor's interest in the lease or leases to Seaboard Air Line Railway Company of the lines of Seaboard-All Florida Railway, Florida Western & Northern Railroad Company and East and West Coast Railway. The bonds will also be secured by pledge of the entire capital stocks of each of the three last named companies. The routes of the proposed extensions and the number of miles to be constructed are subject to such change as may arise in connection with any necessary approval by the Interstate Commerce Commission and/or as may be approved by Dillon, Read & Co. Seaboard Air Line Railway Company will obligate itself to provide any funds in addition to the proceeds of these \$25,000,000 Series A bonds required to subject to the first mortgage liens the properties proposed presently to be subjected thereto except that for this purpose additional Series A bonds up to \$1,000,000 may be issued.

Bonds in addition to the \$25,000,000 Series A bonds (and to the above \$1,000,000 Series A bonds) may be issued in one or more other Series in principal amount not to exceed the reasonable cost of additions, extensions and betterments, to be subjected to the mortgage as a first lien thereon, made subsequent to July 31, 1925.

LEASE AND GUARANTEE

Seaboard Air Line Railway Company will lease the mortgaged lines for at least fifty years from August 1, 1925, at a minimum annual net rental, upon completion of construction, after maintenance charges, taxes, etc., equal to annual interest on the bonds outstanding under the mortgage. Seaboard Air Line Railway Company will unconditionally guarantee the bonds as to principal and interest by endorsement on each bond.

LESSEE COMPANY

Seaboard Air Line Railway Company, operating 3,574 miles of railroad, in the calendar year 1924 reported gross revenues of \$53,384,173. After allowance for rentals of leased properties (operated in 1924), joint facilities, hire of equipment, etc., there was a balance of gross income, applicable to interest charges for 1924, of \$9,933,490. After deducting all fixed interest charges there remained \$3,332,077. Gross revenue from transportation for the six months ended June 30, 1925 was over 9% greater than for the corresponding period of 1924, and gross revenue for June 1925 was over 18% greater than for June 1924.

EARNINGS

It is estimated that the freight and passenger business of the mortgaged lines will increase the annual gross revenues of the Seaboard Air Line System by \$10,000,000 and its net operating revenue by approximately \$4,500,000 after the first year of full operations. This estimate of net revenue takes into consideration the character of the freight and that the additional expense incurred by the Seaboard Air Line on traffic interchanged with the mortgaged lines will be comparatively small.

PURPOSE OF ISSUE

The proceeds of the sale of these bonds will be deposited with the Corporate Trustee under the mortgage and will be drawn down in accordance with appropriate restrictions in the mortgage to redeem the entire outstanding \$7,000,000 Florida Western & Northern Railroad Company First Mortgage Sinking Fund 7% Gold Bonds and \$525,000 East and West Coast Railway First Mortgage 6% Gold Bonds, to acquire, and/or to make reimbursements for the cost of acquiring, certain property for Florida Western & Northern Railroad Company, to repay advances made to, or for the account of, the latter by Seaboard Air Line Railway Company or otherwise, to provide funds for the construction of the proposed extensions to Miami and points on the east coast and on the west coast to Ft. Myers and beyond, and for additional capital expenditures in connection with the completion and extension of Seaboard-All Florida Railway, Florida Western & Northern Railroad and East and West Coast Railway."

We offer these bonds for delivery when, as and if issued and received by us, subject to the approval of legal proceedings by our counsel and subject, to the extent contemplated by law, to approval by the Interstate Commerce Commission. It is expected that delivery will be made on or about August 14, 1925 in the form of interim receipts of Dillon, Read & Co.

Price 98 1/2 and interest. To Yield Over 6.20%

Further information is contained in a circular which may be had on request

Dillon, Read & Co. Ladenburg, Thalmann & Co. Citizens and Southern Co. Kissel, Kinnicutt & Co.

The statements herein have been accepted by us as accurate but are in no event to be construed as representations by us.

Asphalt Men to Meet in Detroit.

Asphalt paving contractors, engineers and material men, as well as public officials from all parts of the United States and Canada, meet in Detroit October 21, 22 and 23 for the Fourth Annual Asphalt Paving Conference under the auspices of the Asphalt Association. According to J. E. Pennybacker, general manager of the association, the Detroit conference will devote considerable attention to surface treatment for roads so as to adapt the cheaper types of pavements, such as sand clay, gravel and macadam, to sustaining traffic without a large initial outlay of highway funds. Considerable discussion also will be devoted to the possibility of salvaging old gravel and macadam highways by utilizing them as bases for asphalt pavements.

Clinton Votes \$240,000 for Improvements.

W. P. Toms, of the Magnet Knitting Mills, Clinton, Tenn., wires the MANUFACTURERS RECORD that the city of Clinton, G. C. Medaris, mayor, has voted to issue \$240,000 of improvement bonds, including \$105,000 for water-works; \$60,000 for sewers, and \$75,000 for the erection of a new high-school building or an addition to the present structure. A water supply will be pumped from springs to a reservoir having an elevation of 200 feet and extensions made to the present distribution system. Approximately six miles of sanitary sewers are contemplated.

To Colonize 21,000 Acres.

Lubbock, Texas, August 1—[Special.]—Steps have been taken to convert into farms 21,000 acres of the Spade ranch, near here. The acreage will be divided into tracts of 160 to 320 acres, and upon each tract improvements to consist of residence, barn, well and fences will be made before settle-

ment is attempted. W. L. Ellwood, owner of the ranch, has contracted with the Texas Farm Investment Co. of Dallas to make the improvements and colonize the land. The branch line which the Atchison, Topeka & Santa Fe Railroad is constructing from Doud to the New Mexico line passes through the property.

Contract at \$375,600 for Olmos Creek Dam.

Col. S. F. Crecelius, flood-prevention engineer, San Antonio, Texas, wires the MANUFACTURERS RECORD that contract for the Olmos Creek detention dam to be constructed by the city of San Antonio has been awarded to the McKenzie Construction Co. of San Antonio at \$375,600.

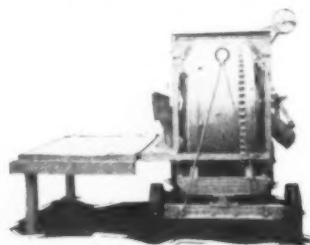
It is announced that any surplus remaining in the flood-prevention fund after the dam has been completed will be used for straightening the San Antonio River channel. Colonel Crecelius will make a survey of the river and recommend elimination of certain bends, including one which takes in a portion of the business district of the city.

Power Company Incorporates and Buys Utilities.

Austin, Texas, July 31—[Special.]—The Lone Star State Power Company of San Antonio has incorporated with a nominal capital stock of \$10,000. It is stated that the company has purchased the electric light and power plants of Floresville, Kyle, Buda, Round Rock, Hutto, Burnet and Bertram at a total cost of \$100,000. Incorporators are Jordan Fowler, James A. Harley and John W. Gaines, all of San Antonio.

President E. H. Stevens of the Southern Logging Association, New Orleans, La., has issued a call for the annual meeting of the association at the Roosevelt Hotel, New Orleans, on September 22, 23 and 24.

The CONCRETE MIXER for You



"THE STANDARD MIXER"

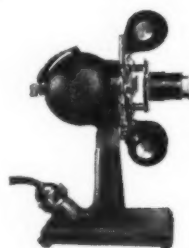
Why not buy *the* mixer—the last word in mixers? They cost no more—not as much, possibly.

May we show you the facts? They are free.

The Standard Scale & Supply Corporation
1631 Liberty Avenue
PITTSBURGH, PA.

New York Philadelphia Chicago Cleveland

"Tell Your Story In Pictures" With The BRAYCO PROJECTOR



The BRAYCO PROJECTOR, a scientifically constructed Still Picture Projector, using standard motion picture films. Can be attached to any electric light outlet or an automobile battery. Weighs 5 pounds, 10½ inches in height, can be carried in a brief case, and will be of tremendous assistance to your salesman in visualizing to their customers the story of your plant, machinery, or merchandise.

Your industrial film used in the Brayco Projector can be made at a very low cost from your own photographs.

Give us the opportunity to show you the wonderful possibilities of the Brayco Projector as a salesman.

BRAYCO COMPANY of MARYLAND
516 N. Charles Street BALTIMORE, MD.

PLENTY OF WATER AT LOW COST from an efficient

LAYNE WELL SYSTEM
WATER QUANTITY GUARANTEED POWER COST MINIMUM

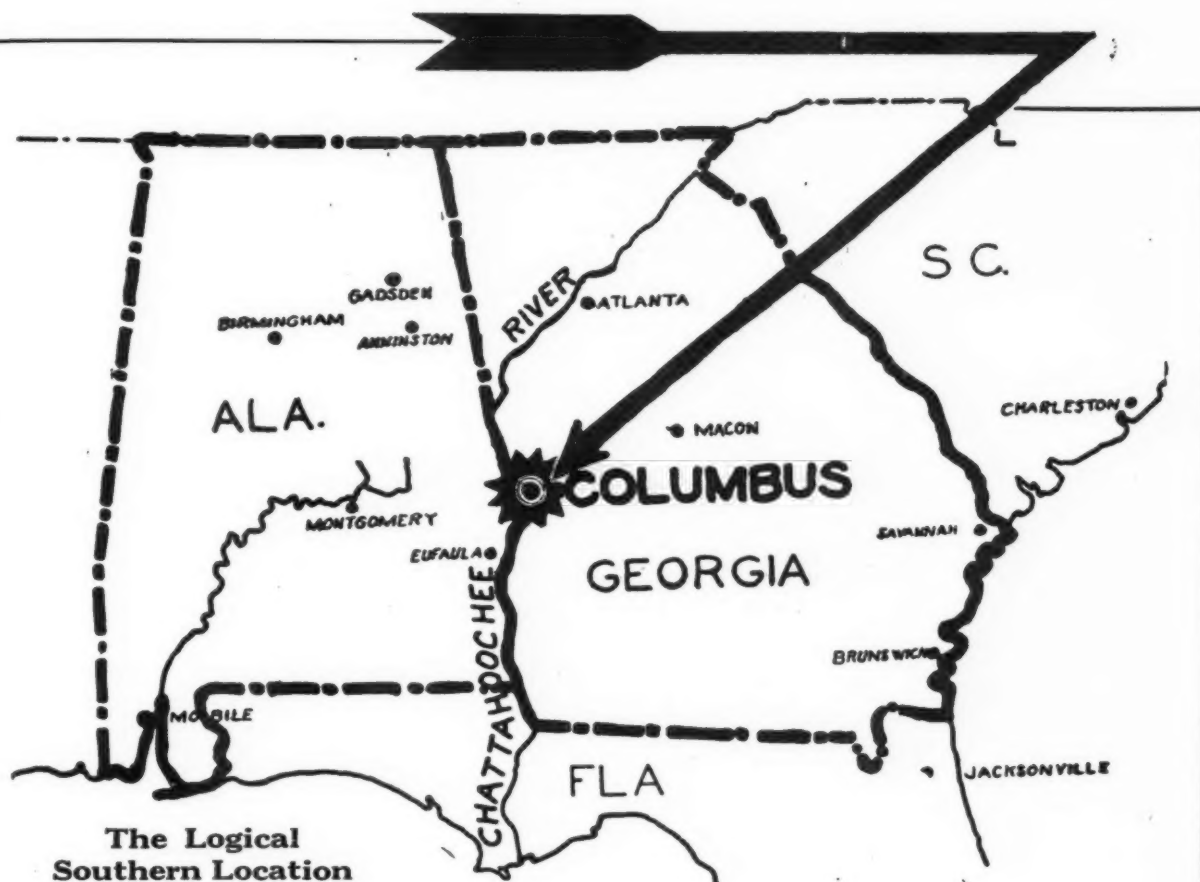
We will make an investigation at no cost to you.

LAYNE & BOWLER CO. Memphis, Tenn.

If you want to get SOUTHERN BUSINESS

Advertise in the

MANUFACTURERS RECORD



The Center of 310 Textile Plants

COLUMBUS, GEORGIA, is a strategic location for the manufacture of Boxes, Spools, Bobbins, Skewers, Textile Machinery and Textile Mill Supplies. There are 310 Textile plants in Georgia and Alabama.

Seven railroads and the river furnish complete and dependable service throughout the territory. Raw materials are close at hand, and there is a big hydro-electric development at COLUMBUS.

The New Industries Committee is composed of leading manufacturers, financiers and developers who are in position to render real service to prospective industries.

New Industries Committee
of the Chamber of Commerce

P. O. Box 1220

COLUMBUS, GA.

Something of a Curiosity.

A leading glass manufacturing company sends us the following as a curiosity:

"Once in a while unusual communications are received, and the other day we received, on a return postal card that is supposedly placed only in the hands of legitimate dealers, the attached order, with rather interesting comments.

"This is so peculiar that we are forwarding a typewritten copy, literal as to spelling, capitalization, punctuation, etc., as it may be of interest to you. Our interpretation of the communication is given below on the sheet, and your comment would be appreciated.

"Date— June 16 — 1925

"Gentlemen:

"Send us 5 gross ½ Pt 2—Gross qts 1 gross pts with Lincoln's Picture on Labels we are going to Rule the City of New Orleans to begin with and then we will increase our power the Chief of police is in with us he orders all white men to court and forces them to work 30 days for nothing or leave town we are given all the Best jobs Job Ezra Thomson President

"Afro American South is ours Club

"Lafayette Near Rampart Dance Hall"

"The following is the way we interpret the card:

"Date: June 16, 1925.

"Gentlemen:

"Send us 5 Gross ½ Pt; 2 Gross Qts; 1 Gross Pts. with Lincoln's Picture on labels.

"We are going to rule the city of New Orleans to begin with, and then we will increase our power. The chief of police is in with us. He orders all white men to court and forces them to work 30 days for nothing or leave town. We are given all the best jobs.

(Signed) "EZRA THOMSON, President,

"Afro American South" is our Club.

"Lafayette near Rampart Dance Hall."

The city of St. Petersburg, Fla., S. S. Martin, director of finance, has sold \$1,000,000 of 5 per cent improvement bonds to the Central National Bank of St. Petersburg, acting for Benjamin Dansard & Co., Detroit, at a premium of \$44,711 and accrued interest.

"Men of Maryland."

In an interesting book, modest in size and attractive in makeup, entitled, "Men of Maryland," Rev. Dr. George F. Bragg, Jr., rector of St. James' First African Church, Baltimore; editor of the Church Advocate and author of several other books, has succeeded in presenting "some important data with reference to the history of 'black slaves' and 'free blacks' in Maryland." Also, he gives some interesting historical sketches, and expresses "the appreciation of the free colored people of Maryland of Lincoln's Proclamation, the ever-memorable effort of Henry Winter Davis on behalf of the freedom of all the people of that state, and certain letters and documents bearing on the progress of the colored group of Maryland."

While the General Assembly of Maryland in 1860 enacted legislation to remand the 90,000 free negroes in the state back into slavery, Dr. Bragg cites, the measure failed of ratification by the voters, only one county approving it. Later, through the efforts of Henry Winter Davis, slavery was abolished and forever prohibited through a new state Constitution, and "Maryland's 'Emancipation,' full and complete, was bestowed upon the slave by the Commonwealth itself," two years before Lincoln's Emancipation Proclamation.

Besides its historical features, the book gives a number of interesting biographical sketches, including those of the late Cardinal Gibbons, the late Charles Joseph Bonaparte and a number of other men and women prominent and influential in their day.

To Make Hollow Concrete Tile.

Millville, Fla.—Recently organized with a capital stock of \$50,000, the Coastal Manufacturing Co. is building a plant at Millville Junction for the manufacture of hollow concrete tile. Branch factories may be erected later at other points in west Florida. Incorporators of the new company include S. D. Cowden, J. R. Asbell, M. B. Hawkins, F. T. Bennett and Alfred Tyler, all of Panama City, Fla.



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close August 17, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 16, 1925. SEALED PROPOSALS will be opened in this office at 2 P. M. August 17, 1925, for enclosing verandas and exterior painting, including incidental changes in the mechanical equipment of the United States Postoffice at St. Augustine, Fla. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close August 12, 1925.

Treasury Department, Office of the Supervising Architect, Washington, D. C., July 14, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M., August 12, 1925, for the construction, including mechanical equipment, lighting fixtures and incidental approach work, of a one-story non-fireproof building about 43' x 44' 6" ground area for Nurses' Quarters, and for raising, underpinning, altering and repairing the present Hospital Building, at the United States Quarantine Station, New Orleans, La. Drawings and specifications may be obtained from the District Engineer, U. S. Custom House, New Orleans, La., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close August 17, 1925.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., July 16, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M. August 17, 1925, for extension to quarters of Asst. Surgeon, including incidental changes in the mechanical equipment of the United States Marine Hospital at Memphis, Tenn. Drawings and specifications may be obtained from the Medical Officer in Charge of the Station or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close August 24, 1925.

\$490,000 6% Bonds

Vero Beach, Fla.

Sealed bids will be opened for \$490,000 six per cent Bonds of Special Road and Bridge District No. 4 of Indian River County, Florida, on August 24, 1925.

Write to Miles Warren, Clerk of Board of County Commissioners, Vero Beach, Florida, for full information.

Bids close August 20, 1925.

U. S. Engineer Office, Jacksonville, Fla.—Sealed proposals for the construction and delivery of pontoon catamarans for the dredge WELATKA will be received here until 12 o'clock noon, August 20, 1925, and then opened. Further information on application.

Bids close August 24, 1925.

\$37,000 5% Public Improvement Bonds

Live Oak, Fla.

Notice is hereby given that the undersigned Bond Trustees of the City of Live Oak, Suwanee county, Florida, will receive sealed bids after thirty days from July 16th, 1925, and prior to August 24th, 1925, at 10 o'clock A. M., at the City Hall in the City of Live Oak, Florida, for seventy-four (74) Public Improvement Bonds of the City of Live Oak, Florida, in denominations of \$500.00 each, bearing date of July 1st, 1925, and maturing thirty years from date, and drawing interest at the rate of five per cent per annum from date, and payable semi-annually, on January 1st and July 1st, respectively. Said bids shall be opened at 10 o'clock A. M., August 24th, 1925, at the City Hall in the City of Live Oak, Florida. Bids will be received for all, or any portion of said bonds, and each bid must be accompanied by a cashier's check, or a certified check in an amount equal to twenty per cent of the amount of such bid. No bid will be received or considered in an amount under ninety-five per cent of the face value of any bond or bonds. The Bond Trustees reserve the right to reject any and all bids.

E. S. CONNER,
J. W. WEST,
W. C. WHITE,
Trustees.

Bids close August 18, 1925.

Notice of Sale of Time Warrants of City of Okeechobee, Fla.

NOTICE IS HEREBY GIVEN That the City Council of City of Okeechobee, Florida, will receive sealed bids for the purchase of City of Okeechobee Municipal Improvement Time Warrants, Issue of 1925, at the office of the City Clerk of the City of Okeechobee, Okeechobee County, State of Florida, until 2 o'clock P. M. August 18, A. D. 1925.

The Time Warrants to be sold on this date shall be in denominations of One Thousand Dollars (\$1000) each and shall bear interest payable semi-annually at the rate of six per centum per annum, both principal and interest payable at the Bank of Okeechobee, Okeechobee, Florida, or at the American Exchange National Bank, New York City, N. Y., at the option of the holder. Said time warrants to be dated August first, A. D. 1925, interest payable on the First day of August and the First day of February of each and every year after date of issuance until maturity of said time warrants. The principal shall be payable Ten Thousand Dollars (\$10,000) on the First day of August, A. D. 1945, and Ten Thousand Dollars (\$10,000) on the First day of August of each and every year thereafter up to and including the First day of August, A. D. 1949.

The City Council reserves the right to reject any and all bids and readvertise the time warrants, or to reject all sealed bids and continue the sale by auction; or in case no satisfactory bid is received from either the sealed bids or the auction, to sell said time warrants at private sale, but any private sale shall not be made unless the amount paid thereat shall exceed the highest sealed bid as aforesaid, or any auction bid, and must be made within ten days after the advertised date of sale aforesaid.

All bids shall be accompanied by a cashier's check or a certified check without conditions for the sum of Five Hundred Dollars (\$500), made payable to H. H. DeYarman, President of the City Council of the City of Okeechobee, Florida. The Time Warrants will be ready for immediate delivery, and must be paid for within five days after date of sale.

All bids must be addressed and delivered to the City Clerk of City of Okeechobee, Florida, on or before the hour of sale named above, at which time all bids submitted will be opened and considered.

The Time Warrants to be sold pursuant to this notice are made negotiable by statute. The City Council will furnish, free of charge, to the purchaser the approving legal opinion of Caldwell & Raymond, and a transcript of the proceedings authorizing the issuance of the Time Warrants.

H. H. DEYARMAN,
President of City Council of City of
Okeechobee, Florida.

Attest:
R. P. FLETCHER,
City Clerk of City of Okeechobee, Fla.
(Corporate Seal.)

Bids close August 18, 1925.

\$270,000 High School and Public Improvement Bonds

Kingsport, Tenn.

Sealed bids will be received until 8 o'clock P. M. August 18, 1925, for the following City of Kingsport, Tennessee, bonds:

\$250,000 5% HIGH SCHOOL BONDS, dated June 2, 1925, maturing twenty years from date of issue; bonds in denominations of \$1000 each.

\$20,000 6% PUBLIC IMPROVEMENT BONDS, dated June 1, 1925, maturing twenty years from date of issue; bonds in denominations of \$1000 each.

Interest on these bonds payable semi-annually, June 1 and December 1, each year.

A certified check for \$250, payable to G. D. Black, City Treasurer, must accompany each bid and all bids should be addressed to F. L. Cloud, City Manager, and must be marked "Sealed bids for bonds."

Opinion approving the legality of the bonds will be furnished by Hon. John C. Thomson, New York City, and all expense in connection with the preparation and printing of bonds will be borne by the City of Kingsport.

The Board of Mayor and Aldermen of the City of Kingsport reserve the right to reject any and all bids.

F. L. CLOUD, City Manager.

Attest:

G. D. BLACK, Recorder.

Bids close August 29, 1925.

\$263,000 Town of Ormond, Fla., 6% Bonds

SEALED PROPOSALS will be received by the undersigned, the Town Clerk of the Town of Ormond, Florida, at 2 o'clock P. M. AUGUST 29, A. D. 1925,

for the following issues of bonds of said town:

\$112,000 "Water Works Distribution System Assessment Bonds of 1925," dated July 1, 1925, due \$12,000 each year, 1927-1931, inclusive, and \$13,000 each year, 1932-1935, inclusive. Interest payable semi-annually on January 1 and July 1 of each year at six per cent (6%) per annum. Denomination, \$1000 each.

\$151,000 "Ormond Paving and Drainage Assessment Bonds, 1925," dated July 1, 1925, due \$16,000 July 1 each year, 1927-1928, inclusive, and \$17,000 each year, 1929-1935, inclusive. Interest payable semi-annually on July 1 and January 1 of each year at six per cent (6%) per annum. Denomination, \$1000 each.

All of said issues of bonds will be validated by decree of the Circuit Court of the Seventh Judicial Circuit of the State of Florida in and for Volusia County.

Bidders must bid on each of the above issues separately.

Both principal and interest on all said issues payable at the Bank of Ormond, Ormond, Florida; the National Bank of Commerce of New York, State of New York, or at the Merchants Bank & Trust Company, Daytona, Florida, at the option of the holder thereof.

Each proposal must be accompanied by cash or a certified check from an incorporated bank or trust company in the State of Florida, payable to the order of John W. Robinson, Town Clerk, for one per cent of the par value of the bonds bid for, the check of the successful bidder to be retained by the town as security for the completion of the contract of sale by the purchaser and checks of all unsuccessful bidders to be forthwith returned.

These authorized issues of bonds to be sold subject to the approving opinion of John C. Thompson of New York City, New York, to be furnished by the Town of Ormond, Florida.

The right to reject any and all bids is hereby reserved.

It is requested that no bids be made except on the form provided by the Board of Managers of the Town of Ormond, which form will be supplied by the undersigned upon request.

For further information address the undersigned.

JOHN W. ROBINSON,
Town Clerk, Town of Ormond.

Bids close August 18, 1925.

Bridge Construction

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia at its office in Charleston, West Virginia, until 10 o'clock A. M. on the 18th day of August, 1925, and said proposals will be opened and read immediately thereafter at the Kanawha County Courthouse, Charleston, W. Va., for the construction of the following bridges on State Roads:

Madison Bridge No. 654, Project 3151-C, Boone County—Concrete substructure and steel superstructure, two spans, 170 feet each. Separate proposals will be received for substructure, certified check \$800, and superstructure, certified check \$1300.

East Rainelle Bridge No. 991, Project 77, Greenbrier County—Concrete deck girder, two spans, 30 feet each. Certified check \$700.

Little Sandy Bridge No. 914, Project 3206, Kanawha County—Reinforced concrete substructure and steel superstructure, one span, 120 feet. Separate proposals will be received for substructure, certified check \$1000, and superstructure, certified check \$500.

Cooper's Creek Bridge No. 1009, Project 148-B, Kanawha County—Concrete substructure only. Certified check \$700.

Big Sandy Bridge No. 860.1, Project 3231, Kanawha County—Steel superstructure only, 145-foot span. Certified check \$700.

West Creek Bridge No. 1001, Project 139-A, Mason County—Concrete deck girder, 35-foot span. Certified check \$500.

Camp Creek Bridge No. 1000, Project 121, Mercer County—Concrete arch, span 90 feet. Certified check \$600.

West Landgraft Bridge No. 723, Project 2048-B, McDowell County—Concrete substructure and steel superstructure, 120-foot span. Separate proposals will be received for substructure, certified check \$500, and superstructure, certified check \$600.

Sycamore Bridge No. 952, Project 3164, Jackson County—Concrete deck girder, two 50-foot spans. Certified check \$1100.

Cairo Bridge No. 839, Project 3115, Ritchie County—Reinforced concrete substructure and steel superstructure, one 180-foot span. Separate proposals will be received for substructure, certified check \$700, and superstructure, certified check \$1000.

Upper Spring Creek Bridge No. 715, Project 2089, Roane County—Concrete deck girder, two spans, 51 feet each. Certified check \$800.

Reedy Bridge No. 1007, Project 3125, Roane County—Concrete substructure and steel superstructure, one 150-foot span. Separate proposals will be received for substructure, certified check \$700, and superstructure, certified check \$600.

Bridgeport Bridge No. 837, over Simpson Creek, Project 3269, Harrison County—Concrete substructure and steel pony truss superstructure, 85-foot span. Separate proposals will be received for substructure, certified check \$500, and superstructure, certified check \$500.

French Creek Bridge No. 993, Project 3277-B, Upshur County—Concrete substructure and steel pony truss superstructure, 60-foot span. Separate proposals will be received for substructure, certified check \$600, and superstructure, certified check \$500.

Moorefield Bridge No. 739, Project 62, Hardy County—Steel superstructure, two 90-foot spans, also repairs to substructure in same contract. Certified check \$800.

Beverly Bridge No. 974, Project 3210, Randolph County—Concrete substructure and steel pony truss superstructure, 80-foot span. Separate proposals will be received for substructure, certified check \$500, and superstructure, certified check \$500.

Mill Race Bridge No. 978, Project 3143-A, Tucker County—Concrete arch, 20-foot span. Certified check \$500.

Proposals will be received only upon State Standard forms in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans and specifications and estimates of quantities may be obtained from the office of the Division Engineer in whose territory the proposed construction is located, or from the office of the State Road Commission at Charleston, W. Va.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any or all proposals.

STATE ROAD COMMISSION OF
WEST VIRGINIA.
E. B. CARSKADON, Secretary.

Bids close August 12, 1925.

Bridges

Fort Pierce, Fla., August 1, 1925.

The Mayor and Board of City Commissioners of Fort Pierce, Florida, will receive sealed proposals, until seven-thirty o'clock P. M. on the 12th day of August, 1925, at the office of the City Manager at Fort Pierce, Florida, at which time all proposals will be publicly opened and read for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of Bridges in said city according to the plans and specifications prepared by the Engineers, and now on file at their office, and at the office of the City Manager.

Each bid must be accompanied with a certified check to the amount of five per cent. of the bid, and not less than \$250.00, payable to the Treasurer of Fort Pierce, Florida, without recourse.

All bids must be on blanks provided, a copy of which is bound with these specifications, and placed in a sealed envelope, endorsed on the outside, "PROPOSALS FOR BRIDGES." The city reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications thoroughly, form of contract, bond, and conditions under which the work will be done, before bidding.

C. E. CAHOW, Mayor.

W. AUSTIN SMITH, City Manager.

Engineers:

AMERICAN INDUSTRIES ENGINEER-
INC CO.,

140 Cedar Street, New York City.

THE BISHOP ENGINEERING CO., AS-
SOCIATES,

Orlando, Florida.

Bids close September 1, 1925.

Bridge and Approaches

SOUTH CAROLINA.

STATE HIGHWAY DEPARTMENT.
Columbia, S. C.

Sealed bids will be publicly opened at 11 A. M. Tuesday, September 1, 1925, at the offices of the State Highway Department, 1626 Main St., Columbia, S. C., for the construction of the Santee River Bridge and Approaches on State Route No. 30, between Clarendon and Orangeburg Counties.

It is particularly desired that bidders bring their bids in person at the opening hour. Any bids sent by mail must be plainly marked on outside of envelope:

"Bid for constructing F. A. Project No. 252, Santee River Bridge and Approaches. Bids to be opened at 11 A. M. September 1, 1925."

and addressed simply: "P. O. Drawer No. 660, Columbia, S. C."

The work to be done consists of the construction of 9620.5 ft. of bridge and embankment, which includes 1 168-ft. and 2 150-ft. steel trusses on concrete piers; 6863 lin. ft. of treated timber pile trestle, and 2286 lin. ft. of earth embankment, which includes 184,000 cu. yds. of earth.

This work is to be let in the following contracts: No. 1 (Sub-structure), No. 2 (Superstructure), No. 3 (Timber Trestle), No. 5 (Earth Fill).

Each proposal for contract No. 1 must be accompanied by a certified check for one thousand four hundred dollars (\$1,400), contract No. 2 by a check for nine hundred dollars (\$900), contract No. 3 by a check for five thousand eight hundred dollars (\$5,800), contract No. 5 by a check for one thousand five hundred dollars (\$1,500). All proposal guarantees are to be made payable to the Chief Highway Commissioner. Bid bonds will not be accepted.

Plans, specifications and proposal forms are on file at the office of the State Highway Engineer in Columbia. Plans will be furnished upon request accompanied by a check for \$3.00 and no refund will be made for plans returned.

SAMUEL McGOWAN,

Chief Highway Commissioner.

Bids close August 15, 1925.

Road Improvements

De Land, Fla.

Sealed proposals will be received by the Board of County Commissioners of Volusia County, Florida, at the office of the Clerk of the Circuit Court of Volusia County, De Land, Florida, until 10 o'clock A. M. on the 15th day of August, 1925, for the furnishing of materials and construction of approximately 190,000 Square Yards of Brick, Concrete or Bituminous Pavement; 41,000 Cubic Yards of Excavation; 26,000 Cubic Yards Fill; 19 Reinforced Concrete Culverts; wood bulkhead and appurtenances, situated in that part of Volusia County

known as the "DE LAND AND LAKE HELEN SPECIAL ROAD AND BRIDGE DISTRICT."

Bids will be received on the whole or any section of the work.

Plans and specifications may be examined at the office of the Engineer, New Smyrna, Florida. Copies of the specifications may be obtained at the above place upon receipt of deposit of Five Dollars, which will be returned on bona fide bid. Copies of the plans may be obtained on the payment of Twenty-Five Dollars.

Each bidder must accompany bid with a certified check or bidder's bond for an amount not less than five per cent of the amount bid, drawn to the order of W. P. Wilkinson, Chairman of the Board of County Commissioners of Volusia County.

The right is reserved to reject any or all bids in whole or in part.

W. P. WILKINSON,

Chairman of Board of County

Commissioners.

SAM'L D. JORDON, Clerk of Court.

(SEAL)

N. A. HOTARD, Engineer.

Bids close August 18, 1925.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building one section of State Highway, as follows:

Cecil County, Cont. Ce-49—One section of State highway through Chesapeake City, for a distance of 0.54 mile. (Concrete.)

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 18th day of August, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 31st day of July, 1925.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close August 11, 1925.

Highway Construction

DEPARTMENT OF PUBLIC WORKS.
STATE OF MARYLAND.
STATE ROADS COMMISSION.
NOTICE TO CONTRACTORS.

Baltimore, Md.

SEALED PROPOSALS for building three sections of State Highway as follows:

Montgomery County, Cont. M-61—One section of State highway from end of Cont. M-52 to Ashton, a distance of 5.0 miles. (Macadam Resurfacing.)

Montgomery County, Cont. M-63—One section of State highway from Laytons-ville toward Claysville for a distance of 1.0 mile. (Concrete.)

Montgomery County, Cont. M-62—One section of State highway along the River Road from Potomac toward Seneca for a distance of 1.0 mile. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 11th day of August, 1925, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 22nd day of July, 1925.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close August 28, 1925.

Tennessee Highway Construction

Nashville, Tenn.

SEALED BIDS will be received by the State of Tennessee, Department of Highways and Public Works, at their offices, in Nashville, Tennessee, until Friday, August 28th, and opened publicly at ten o'clock A. M. for the construction of 2.45 miles of cement concrete pavement in Gibson County, with alternate bids for bituminous concrete surface on cement concrete base; 7.39 miles of cement concrete pavement in Madison County, with alternate bids for bituminous concrete surface on cement concrete base; 3.97 miles of grading and drainage in Shelby County; 5.81 miles of cement concrete pavement in Maury County, with alternate bids for bituminous concrete surface on concrete base and sheet asphalt surface and binder on gravel base; 6.78 miles of grading and drainage in Madison County; 6.68 miles of bituminous concrete surface on cement concrete base in Davidson County, with alternate bids for cement concrete pavement; 3.66 miles of bituminous concrete surface on cement concrete base in Madison County, with alternate bids for cement concrete pavement; 14.75 miles of hauling and dumping gravel in Obion and Dyer Counties; 1.03 miles of grading and drainage in Hamilton County; 1.22 miles of grading and drainage in Blount County; 5.30 miles of grading and drainage in Morgan County; 10.10 miles of grading and drainage in Dyer County; 12.89 miles of grading and drainage in Dyer County; a cement concrete grade separation structure in Maury County; a reinforced concrete and steel bridge having a net length of 0.51 miles in Dyer and Lauderdale Counties; cement concrete grade separation structure in Montgomery County.

Plans and specifications on file in the Department's Division and Headquarters offices in Nashville.

The right to reject any or all bids is reserved.

J. G. CREVELING, Commissioner.

Bids close September 3, 1925.

Paving and Sewers

Mobile, Ala.

Sealed proposals will be received by the Board of City Commissioners of the city of MOBILE, ALABAMA, until noon Thursday, September 3, 1925, for Paving and Storm Sewers as follows:

One-course Concrete Paving, approximately 35,460 square yards.

Concrete Curbing, 24,719 lin. ft.

Sheet Asphalt or Warrenite Bitulthic Paving, approximately 23,482 square yards.

Concrete Curbing, approximately 14,170 lin. ft.

Concrete Gutters and Driveways, 2527 square yards.

Asphaltic Concrete Paving, approximately 14,620 square yards.

Concrete Curbing, approximately 11,147 lin. ft.

Concrete Gutters and Driveways, approximately 2357 square yards.

Alabama Rock Asphalt, approximately 29,696 square yards.

Concrete Curbing, approximately 14,470 lin. ft.

Concrete Gutters and Driveways, approximately 3384 square yards.

STORM SEWERS.

6-inch pipe, approximately.....9800 ft.

10-inch pipe, approximately.....7725 ft.

12-inch pipe, approximately.....8027 ft.

15-inch pipe, approximately.....8615 ft.

18-inch pipe, approximately.....6495 ft.

21-inch pipe, approximately.....1125 ft.

24-inch pipe, approximately.....1510 ft.

Concrete Culvert, 2.5x4 ft.....190 ft.

Concrete Culvert, 4x8 ft.....25 ft.

Concrete Culvert, 6x12 ft.....60 ft.

Manholes.....92

Inlets.....299

Special Basins.....126

Plans, details, specifications and profiles can be seen at the City Engineer's office. The right is reserved to reject any or all bids. A certified check for One Thousand Dollars will be required with each bid or a bidder's bond of equal amount.

GEO. E. CRAWFORD, Commissioner.

WRIGHT SMITH, City Engineer.

Bids close August 17, 1925.

Street Improvements

Albany, Ga.

Sealed proposals will be received by the City of Albany, Georgia, at the City Hall, Albany, Georgia, August 17, 1925, at 12 o'clock noon Central Standard time, for approximately 150,000 square yards of Street Paving and appurtenances thereto.

Bids will be considered on the following types of pavements:

Sheet asphalt on clay gravel or cement concrete base; surface treatment on a clay gravel base, cement concrete or brick.

The city reserves the right to let the contract to the low bidder on either of these types, or, if it sees fit, to divide the contract between several types.

Notice of proposals in the form required by law appear in the local paper for ten (10) days preceding the award.

Plans and specifications are on file in the office of the City Clerk and copies may be obtained from the City Manager upon the payment of \$10.00.

Proposals shall be accompanied by certified check for 5% of the amount bid. The city reserves the right to reject any and all bids, or to waive any informality.

C. Q. WRIGHT,
City Manager.

Bids close August 24, 1925.

Paving, Sewers, Retaining Wall, Water-Works, Waterfront Improvements, Etc.

Sealed proposals will be received by the City Commission of the City of New Smyrna, Florida, until 10 o'clock, A. M., on the 24th day of August, 1925, at the office of the City Manager in the City Hall of New Smyrna, Florida, for the furnishing of materials and construction of approximately 15,000 square yards of brick, concrete or bituminous pavements with the necessary curb, gutter, excavations and appurtenances; approximately 41,000 lineal feet of storm drains, 30 inch to 10 inch, with accessories; 42,000 cubic yards of earth embankments; reinforced concrete culverts; 500 lineal feet of concrete sheet pile wall or creosote timber retaining wall; 18,500 lineal feet of 16 inch cast iron or wood water supply line; pumping station and accessories; concrete reservoir; 28,000 lineal feet of water works distribution system, 6 inch to 1½ inch with valves, hydrants and accessories; waterfront improvement consisting of 1900 lineal feet of concrete sheet pile wall and 110,000 cubic yards of earth fill, and miscellaneous small work, all complete and in accordance with plans and specifications at the office of the City Manager and the Engineer, New Smyrna, Florida.

Bids will be received on the whole or any section of the work.

Plans and specifications may be examined at the office of the City Manager or at the office of the Engineer in New Smyrna, Fla. Copies of the specifications may be obtained from the above places upon receipt of deposit of Five (\$5.00) Dollars, which will be returned on bona fide bids. Copies of the plans may be obtained on payment of Twenty-Five (\$25.00) Dollars.

Each bidder must accompany bid with certified check or bidder's bond for an amount not less than Five (5%) per cent of the amount bid, drawn to the order of the City of New Smyrna, Florida.

A bond in the sum of Twenty-Five (25%) per cent of the amount of the contract, with satisfactory surety, executed through New Smyrna, Florida, agency will be required for the faithful performance of the work.

The right is reserved to reject any and all bids in whole or in part, or to accept such bids as are to the best interests of the City.

CITY COMMISSIONER OF THE CITY OF
NEW SMYRNA, FLORIDA.
W. C. CHOWNING.

Mayor-Commissioner,
P. L. GADDIS, Commissioner,
W. E. SWOOP, Commissioner,
GEORGE J. OTT, City Manager,
R. L. MUDGETT,
City Auditor and Clerk
(City Seal) N. A. HOTARD, City Engineer.

Bids close August 15, 1925.

Staunton Water Supply**NORTH RIVER EXTENSION.**

Sealed proposals will be received by the City Manager, Staunton, Virginia, up to 12 o'clock noon on Saturday, August 15, 1925, for the construction of a concrete reservoir for the North River Extension of the Staunton Water Works.

CONTRACT No. 4 covers the DISTRIBUTION RESERVOIR requiring the following approximate quantities:

Excavation and Embankment, 11,000 cubic yards.

Concrete Masonry, 800 cubic yards.

Steel Reinforcement, 40,000 pounds.

Each proposal to receive consideration must be accompanied by certified check for \$3000.

Bond is required for the full amount of the contract.

Plans and specifications are on file at the offices of the City Manager, Staunton, Va.; Fuller and McClintock, 170 Broadway, New York City, and Lee H. Williamson, National Bank Building, Charlottesville, Virginia. Plans and specifications may be obtained from the City Manager, Staunton, Virginia, upon deposit of \$10.00, which will be refunded upon return of plans and specifications on August 15, 1925.

Inspection trips to site of proposed work will be made on August 7, 13 and 14, leaving the Engineer's Office in the City Hall at 8 A. M., and will be accompanied by the Engineer.

The city reserves the right to reject any or all bids or to accept any bid which it deems to be to the best interest of the city to accept. Bids not conforming to the requirements of the specifications will be declared informal and will not be considered.
W. F. DAY, City Manager.

Bids close August 12, 1925.

Water-Works Improvements

Fort Pierce, Fla., July 22, 1925.

Sealed proposals will be received until 7.30 o'clock P. M. on the twelfth day of August, 1925, by the Mayor and City Commissioners of Fort Pierce, Florida, at the office of the City Manager, at which time all proposals will be publicly opened and read. Proposals will be for the furnishing of approximately six miles of 6, 8, 10 and 12 inch cast-iron water mains, together with necessary fitting, gate valves, hydrants, etc. Bids will also be received for the furnishing of the necessary labor, tools and equipment for laying and constructing these water mains, all according to plans and specifications prepared by the engineers and on file in the office of the City Manager and the engineers after August first.

Each bid must be accompanied with a certified check to the amount of 5% of the bid and not less than \$250, payable to the Treasurer of the City of Fort Pierce, Fla., without recourse.

All bids must be on blanks provided, copy of which is bound with the specifications and placed in a sealed envelope, endorsed on the outside "PROPOSAL FOR WATER WORKS IMPROVEMENTS." The city reserves the right to let the work or purchase the materials in separate sections, as may be considered to the best interest of the city, and reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications, form of contract, bond and conditions under which the work will be done before bidding.

By order of the Board.
C. E. CAHOW, Mayor.
W. AUSTIN SMITH, City Manager.

ENGINEERS:
THE AMERICAN INDUSTRIES
ENGINEERING CO., New York.
THE BISHOP ENGINEERING CO.,
ASSOCIATES, Orlando, Florida.

Bids close August 27, 1925.

Sewer System

Winchester, Tenn.

The Mayor and Aldermen of Winchester, Tennessee, will receive bids for the construction of a system of sanitary sewers in Winchester, until August 27th, at 2 P. M. For Instructions to Bidders, Synopsis of Specifications, and Form of Proposal, address:

R. J. Shasteen, Mayor, Winchester, Tennessee.
C. H. Jenks, Engr., Union City, Tennessee.

Bids close August 20, 1925.

Outfall Sewer

Elkins Park, Pa.

Sealed bids will be received at the Commissioners' Office, Elkins Park, Pa., up to 7 P. M. (Standard Time) Thursday, August 20, 1925, for constructing a main outfall sewer for house drainage along the Tacony Creek through Cheltenham Township, Montgomery County, Pa., from City Line to Mt. Carmel Avenue, Glenside. Sizes of pipe vary from 33 inches to 12 inches in diameter. Total length 7.37 miles. Work will be divided into two sections. Also Wyncote and Glenside sections branch sewers, aggregating 8 miles 8-inch pipe and 2 miles 10-inch pipe.

Plans, specifications and bidding blanks may be obtained from Albright & Mebus, Civil Engineers, 1502 Locust Street, Philadelphia, upon deposit of \$25.00, of which sum \$20.00 will be refunded upon the return of said plans and specifications to the Engineers in good order.

Bids must be accompanied by certified check amounting to not less than two (2) per cent of the total of bid tendered.

The Board of Township Commissioners reserves the right to reject any or all bids and award the contract as it may deem to be the best interests of the Township.

By order of the Board,
HAROLD C. PIKE,
Secretary.

July 6, 1925.

Bids close August 12, 1925.

Storm Drains and SewersDEPARTMENT OF PUBLIC WORKS.
BUREAU OF SEWERS.

Baltimore, Md., July 29, 1925.

Sealed bids or proposals, in duplicate, addressed to the Board of Awards, in care of the City Register, City Hall, Baltimore, Md., for building storm drains and sanitary sewers in Sewer Districts H-5, J-5, 38-A and 39, in the City of Baltimore, as embraced in Storm Water Contract No. 84 and shown on plans on file in the office of the Sewerage Engineer, will be received at the office of the City Register, City Hall, Baltimore, Md., until Wednesday, August 12, 1925, at 11 o'clock A. M., at which time they will be publicly opened by the Board of Awards and read.

Each bid must be accompanied by a certified check of the bidder on a clearing-house bank, drawn to the order of the Mayor and City Council of Baltimore in the amount of Four Thousand Seven Hundred and Fifty Dollars (\$4750).

Bond in the amount of the contract price will be required of the successful bidder.

The Board of Awards reserves the right to reject any or all bids.

This work comprises approximately:
780 Lin. Ft. 6 ft. x 4 ft. Reinforced Concrete Box Drain.

1060 Lin. Ft. 5 ft. 6 in. x 4 ft. Reinforced Concrete Box Drain.

1020 Lin. Ft. 5 ft. x 4 ft. Reinforced Concrete Box Drain.

1120 Lin. Ft. Brick and Concrete Drain, 36 in., 42 in. and 48 in. in diameter.

3480 Lin. Ft. Reinforced Concrete Pipe Drain from 24 in. to 54 in. in diameter.

3340 Lin. Ft. 15 in. to 24 in. Vitrified Pipe Drain.

2330 Lin. Ft. 12 in. to 18 in. Vitrified Pipe Inlet Connections.

15,850 Lin. Ft. 8 in. to 15 in. Vitrified Pipe Sewer.

2900 Lin. Ft. 6 in. Vitrified Pipe House Connections.

2000 Lin. Ft. 8 in. Underdrain.

4500 Lin. Ft. 6 in. Underdrain.

2000 Lin. Ft. 4 in. Underdrain.

1060 Vertical Ft. of Standard Manholes.

Plans, specifications and bidding form may be obtained at the office of the Sewerage Engineer, City Hall Annex No. 1, 311 Courtland street, Baltimore, Md., upon deposit of Five Dollars (\$5.00), which deposit will be refunded only if the plans and General Specifications, in case a bid is submitted, or the plans, General Specifications and Special Specifications, in case no bid is submitted, are returned to the office of the Sewerage Engineer in good condition on or before the time set for opening the bids.

MILTON J. RUARK,
Sewerage Engineer.
B. L. CROZIER,
Chief Engineer.

Approved:
HOWARD W. JACKSON,
President Board of Awards.
GEORGE E. KIEFFNER,
Assistant City Solicitor.

Bids close August 27, 1925.

Sewerage Disposal Plant

Vero Beach, Fla.

Sealed bids will be received by the City Council, City of Vero Beach, Florida, at the City Hall until 8 o'clock P. M. August 27th, 1925, for the following work:

A separate sludge digestion sewerage disposal plant of reinforced concrete construction, complete with pumps, piping, tile sewer connections, manholes and sledge beds.

All bids must be upon the blank forms provided in the Proposal, Specifications and Contract.

The City of Vero Beach reserves the right to reject any and all bids.

Bids must be accompanied by a certified check for 5 per cent of the bid.

Plans, specifications and forms of contract and bond may be examined at the office of the City Engineers, Carter & Damerow, Seminole Bldg., Vero Beach, Florida, or sets may be obtained from them by making a deposit of Twenty-five Dollars (\$25.00). Fifteen Dollars (\$15.00) of which will be refunded on their return within fifteen (15) days following the date of opening of bids.

H. G. REDSTONE,
City Clerk.

High School

Augusta, Ga.

Sealed bids will be received early in September by the Academy Building Commission, Augusta, Ga., for the erection of a Boys' High School, consisting of auditorium, gymnasium, shops and about 25 classrooms. Separate bids will be taken for the general work and for plumbing, heating and electric work. Any contractor or sub-contractor desiring to bid must make application on or before August 15, 1925, to Scroggs & Ewing, Architects, Lamar Bldg., Augusta, Ga. Applications by general contractors must be accompanied by a deposit of \$25.00 and by sub-contractors by a deposit of \$10.00. These deposits will be returned upon return of plans and specifications. Extra sets of plans and specifications may be secured for the amounts stipulated as deposits, provided they are ordered by August 15. Amounts deposited for extra sets will not be returned. All plans and specifications must be returned to architects when bids are taken, which date will be announced later. All general bids shall be accompanied by certified check for \$3000.00, and all sub-bids by a certified check for \$1000.00. A bond will be required for the full amount of each contract. The owner reserves the right to reject any or all bids.

Bids close August 24, 1925.

School Building

Arcadia, Fla.

Bids will be received from contractors and builders by the Board of Public Instruction of DeSoto County, Florida, at their office in the Courthouse in Arcadia, Florida, until 11 o'clock A. M. Monday, August 24, 1925, for the erection of a grammar school on West Whidden street in Arcadia, Florida, for

Special Tax School District No. 1, DeSoto County, Florida, in accordance with plans and specifications prepared by F. J. Kennard & Son, Architects, Krause Building, Tampa, Florida.

Plans and specifications may be secured from the office of said Architect, F. J. Kennard & Son, Krause Building, Tampa, Fla., or from C. H. Smith, Superintendent of Public Instruction, Courthouse, Arcadia, Fla., upon a deposit of \$15.00. This deposit will be refunded if plans are returned in good condition on or before the date of opening bids.

A certified check for 2% of the bid must accompany all bids. The successful bidder will be required to enter into a contract and furnish a surety bond through an agency that pays a license in DeSoto County, and is satisfactory to the Board, in the sum of \$30,000 for the faithful performance of said contract.

The Board of Public Instruction reserves the right to reject any and all bids.

C. H. SMITH,
Superintendent and Secretary.

Bids close August 24, 1925.

Municipal Pier

St. Petersburg, Fla.

Sealed proposals, subject to the validation of the bonds, will be received by the Director of Finance of the City of St. Petersburg, Fla., until 7.30 P. M. August 24, for the construction of reinforced concrete municipal pier at St. Petersburg, Fla. Blank forms of proposal and specifications will be furnished prospective bidders upon a deposit of \$25.00.

Certified check for 5 per cent of bid price is required with each bid. The right is reserved to reject any or all bids.

Bids must be sealed and marked "For the Construction of Municipal Pier."

S. S. MARTIN,
Director of Finance.

Bids close August 18, 1925.

Deep Well

Sealed proposals will be received by the BOARD OF PUBLIC WORKS of the CITY OF EDGEFIELD, SOUTH CAROLINA, for furnishing all materials and labor to construct a deep well in and for the CITY OF EDGEFIELD, SOUTH CAROLINA, until 2 o'clock P. M. August 18, 1925.

Each bid must be accompanied by a certified check or bid bond for five (5%) per cent of the amount of the bid, drawn to the order of the CITY OF EDGEFIELD, SOUTH CAROLINA.

Copies of the plans and specifications may be seen at the office of the BOARD OF PUBLIC WORKS or the ENGINEERS.

The right is reserved to reject any or all bids.

CITY OF EDGEFIELD, S. C.
A. E. PADGETT,
Chairman Board of Public Works.
ROBERTS & CO., INC., Engineers,
Atlanta, Georgia.

Bids close August 26, 1925.

Water-Works Plant Equipment

Raleigh, N. C.

Sealed proposals will be received by the Mayor and Commissioners of the City of Raleigh, N. C., until 3.00 P. M., August 26th, 1925, at the City Hall in Raleigh, N. C., for the furnishing and delivery of:

Two (2) Motor driven centrifugal pumping units and starting compensators, each unit to have a capacity of twenty-one hundred (2100) gallons per minute against a discharge head of three hundred fifty (350) feet.

Proposals must be marked "PROPOSALS FOR PUMPING EQUIPMENT." All bids must be made upon blank forms provided in copies of the Proposal, Contract and Specifications.

Each bid must be accompanied by a certified check in the amount of five (5) per cent of the amount of the bid as evidence of good faith.

Copies of the Specifications, Form of Proposal, Contract, etc., may be obtained upon application to the Engineer.

The right is reserved to reject any or all bids or to award contract which, in the opinion of the Engineer and Commissioners, appear for the best interests of the City.

WILLIAM C. OLSEN, Engineer,
Raleigh, N. C.

E. E. CULBRETH, Mayor.
C. C. PAGE, Commissioner Public Works.

Bids close September 7, 1925.

Seating Equipment for Municipal Auditorium

San Antonio, Tex.

Sealed proposals, addressed to the City Clerk of the City of San Antonio, Texas, will be received at this office until 4 o'clock P. M. on September 7, 1925, for the following equipment, to wit:

About 1500 folding Assembly Chairs, cabinet construction, sections of four, Standard four-coat finish.

About 5000 Opera Chairs, with upholstered spring seat, padded back, or with plain back. As an alternate on this item bidders will also quote on opera chairs with veneer seats and back, all to be standard four-coat finish.

Proposals to be for chairs installed on Cement floor in approved manner, the installation to be guaranteed for five years, covered by surety bond.

Samples are to be exhibited in the Council Chamber at the City Hall, the samples selected to be left there until delivery and installation are completed.

Payments will be made on monthly estimates amounting to 75% of the amount of work completed under the contract, and the full amount to be paid on completion of the work and acceptance thereof by the city.

The City of San Antonio reserves the right to reject any and all bids.

FRED FRIES, City Clerk.
San Antonio, Texas.

July 27, 1925.

**CLASSIFIED OPPORTUNITIES****MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES****NORTHWEST GEORGIA.**

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays, large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

TIMBER AND TIMBER LAND

TIMBERLANDS, FOREST PRODUCTS, etc. Write us stating your requirements. NORTHERN REALTIES CO., INC., New Birks Building, Montreal, Canada.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES**TIMBER AND TIMBER LAND**

FOR SALE—Timber lands, cut-over lands, especially suitable for colonizing, ranching or subdivision, located Alabama and Florida. H. H. WEFEL, JR., Mobile, Alabama.

GEORGIA CUT-OVER LAND for sale. Approximately 16,000 acres crossed by main line railroad; will cut 20 million feet of timber. Price \$8.00 per acre; timber worth the money.

JOHN M. COX, Waycross, Georgia.

FOR SALE—150,000 acres in solid body in South Georgia. Cut over twenty-five years ago. Now has two hundred million feet of Long Leaf Pine, fifteen inches and up at stump. Fine development proposition. Perfect titles. Address F. W. Blair, 808 West 6th St., Chattanooga, Tenn.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FARM AND TIMBER LAND

FOR SALE—10,800 acres Hamilton County, one and one-half miles east of Jasper, the county seat. Will sell in fee simple, which includes nine million feet of timber, and we have had several offers for a turpentine lease. Price is \$16 per acre, one-third down, balance one to four years, 6% interest, \$15,000 binder, sixty days to close.

HOYT E. MORRIS, Owner,
Vero Beach, Fla.

FOR SALE—152½ acres. This river-frontage acreage is just above the bridge on state road No. 1 and north of the point where the Withlacoochee River empties into the Suwannee River. The shore line is high, the timber is hardwood and because of its location this property will bring \$100 per acre in sixty days. Location, northwest quarter, lot No. 3 of section 7, township 1, south range 12, East Hamilton County. Price \$45 per acre. Terms one-third down, balance one, two and three years, 6% interest, \$500 binder.

HOYT E. MORRIS & CO.,
Exclusive Agents, Vero Beach, Fla.

FOR SALE—523 acres, with high bluff 30 to 60 feet high, frontage one and one-half miles on Suwannee River, covered with hardwood timber. Part of the back land has been farmed for several years. Has one mile frontage on hard road from Live Oak to Perry, Fla.; also has railroad siding on property. High and dry; not one acre low land on tract. Location, parts of sections 17, 18, 19, 20, range eleven, township 3, section 25, township 3, range 10, Hamilton County. Price \$45 per acre; one-third down, balance one, two and three years; 6% interest, \$1000 binder. Brokers corporate.

HOYT E. MORRIS & CO.,
Exclusive Agents, Vero Beach, Fla.

FARM, FRUIT AND TRUCK LANDS

ALABAMA

FOR SALE—High-grade cut-over pine lands, in cultivation and raw, especially suited for peach orchard. Have fifty thousand peach trees bearing now; Monroe County, Alabama. Correspondence solicited.

BLACKSHER CO.,
Mobile, Ala., Mobile Co.
BLACKSHER STORE CO.,
Uriah, Ala., Monroe Co.

FLORIDA

SARASOTA, FLORIDA.

Attractive offerings in Acreage Tracts and Lots in Sarasota and Suburbs.
For further information address
DEAN-TYLER COMPANY, INC.,
REALTORS.

FLORIDA INVESTMENTS—Acreage tracts, timber tracts, subdivisions and hotel sites, any section in Florida. Some bargains with quick turnovers and large profits on small investments assured; 25 years' experience. ASK ANYBODY. N. D. SUTTLES & COMPANY, Jacksonville and West Palm Beach, Fla.

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

FLORIDA.

If it is Florida we have it. Acreage in every county of Florida. Quick, courteous, dependable service. Trained representative on call. Investigate, then invest. You can buy as cheap in Boston as in Florida.

FLORIDA SALES COMPANY, INC.,
120 Milk Street,
Boston, Mass.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

FLORIDA—The Land of Flowers; no state income or inheritance taxes ever. **TAMPA**—Florida's Largest City, 1925 States Census. Send today for Booklet and List of Investments, Homes, Groves and Farms. Tampa-West Coast Realty Co., Inc., Opp. Postoffice, "Since before the War," Tampa, Florida.

YOU CAN ALWAYS RELY ON A REATLOR
LOVELAND & TANNER,
REALTORS.

PALATKA, FLORIDA.

Specializing in acreage, investments and industrial locations in Putnam County, Florida. Preferential freight rates, 3 railroads and St. John's River steamers to New York. Ask for booklet.

FLORIDA INVESTMENTS

MANATEE COUNTY

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.
References: Bradenton Bank & Trust Co.
MANATEE LAND SALES CO.,
Bradenton, Fla.

FLORIDA OFFERS YOU

the opportunity to share
in her immense wealth.

Invest your money here
now

in REAL ESTATE
the safest investment
in the world.

Buy now.

and buy until it hurts.

Let us serve you
Competent Complete Sincere Service

to

Buyer and Seller.
A. A. WHITE & COMPANY,
27 S. E. 1st Avenue,
Miami, Florida.

GEORGIA

"SEVERAL LARGE ACREAGES in Southeast Georgia. Blocks of 600 to 10,000 acres. Wonderful farming and truck lands, and truckfarming already well under way. The movement is decidedly that way. Prices low—from \$11.50 to \$20.00 an acre. Terms. Impossible to err in buying here. If interested write us for details.

S. J. OVERSTREET
Realtor
Titusville, Fla."

LOUISIANA

FOR SALE—About 12,000 acres of cutover Pine land in Central Louisiana at the exceptionally low price of \$3 per acre. Oil possibilities worth purchase price. Address
MOLARD LAND CO.,
Alexandria, La.

MEXICO AND TEXAS

800,000 ACRES of Mexico land, about 400,000 acres level land, the balance low hills and mountains. Located about 65 miles south of Texas border; price 50 cents per acre. Many other large tracts in Mexico; also 500 Texas farms and ranches for sale or trade. P. L. Crews, Real Estate and Loans, 726 Brady Bldg., San Antonio.

MISSISSIPPI

MISSISSIPPI GULFCOAST

The Mississippi Gulfcoast is on a great boom, property values are advancing over night, thousands of dollars' worth of property is changing hands daily. Buyers are here from all over the United States. The reason is, we have the most beautiful coast line in America, healthy and good all-the year-round climate.

Have been in the real estate business here nineteen years and am in position to satisfy your every want.

Write for illustrated booklet.

B. C. COX,
Gulfport, Mississippi.

FARM, FRUIT AND TRUCK LANDS

NORTH CAROLINA

785 ACRE Peach Orchard Tract in the Sand Hill district North Carolina, 270 acres already in orchard, in bearing next year; 3 good tenant houses; tractor shed and feed barn; 3 tractors; fertilizer distributor and Ford truck included, 100,000 ft. long leaf pine on part of property. Address F. C. ABBOTT & COMPANY, Charlotte, N. C.

SOUTH CAROLINA

SUNNYSIDE FARMS FOR SALE.

This is the estate of the late William R. Walker and contains 3200 acres in Cherokee County, S. C., lying between Broad and Pacolet Rivers. An ideal cattle farm, well watered, well wooded (including 1000 acres of forest). Soil is fertile and grows cotton, corn, oats, wheat. Fruit and crops of all kinds grow to perfection. Mild and salubrious climate throughout the year. Beautiful colonial home with tenant houses and modern farm buildings. Improved highways give easy access to county seat. Convenient to churches and schools. Fine for hunting preserve; quail and small game abundant. For terms and conditions, address W. W. JOHNSON, Special Master, Union, S. C.

TEXAS PECANS

PECANS grown in the warm, dry atmosphere of the river valleys of Middle West Texas have plump, rich, sweet kernels; the flavor very fine; thin shells, too. Reserve winter needs now; 40 cents per lb., delivered, 10 lb. lots up; 25 recipes for Pecan dishes and Mexican candies. Kingsbery, 714 Gunter Building, San Antonio, Texas.

BUSINESS OPPORTUNITIES

FLORIDA INVESTMENTS—Hotels, apartments, business properties, sites and financing in South Florida cities.
A. I. V. WILSON CORP.,
West Palm Beach, Fla.

I HAVE established Machinery and Equipment Sales business. Good agencies. Want an associate with some capital. C. S. preferred. Engineering experience valuable. Headquarters in Shreveport, La. Address No. 6489, care Manufacturers Record.

COLLECTION

WE COLLECT accounts, Notes, Claims, anywhere in world. No charge unless collected. Bank references. MAY'S COLLECTION AGENCY, Somerset, Ky.

INDUSTRIES WANTED

BOX AND CRATE FACTORY—Big local demand in Columbus among textile industries for shipping cases; fruit and vegetable centers near by require crates. Hydro-electric power, native labor, rail and water transportation, tax exemption. For full particulars address NEW INDUSTRIES COMMITTEE, P. O. Box 1220, Columbus, Ga.

WAYNESBORO, GA., with 50,000,000 feet poplar, 30,000,000 feet red and white oak, 100,000,000 feet gum and 100,000,000 feet cypress, invites furniture manufacturers to look into building of factory. For further particulars write or wire W. H. Walters, Secy. Manufacturers Club, Waynesboro, Ga.

COOKEVILLE, TENNESSEE.

offers exceptional opportunities to promoters of industrial enterprises interested in:

Abundant hydro-electric power,
city-owned and cheap.

Unlimited water supply from mountain springs.

Plenty of good labor.

A city of homes, churches and educational facilities through college.

A co-operative city and citizenship.

If interested, address Secretary Lions' Club.

INDUSTRIES WANTED

COLUMBUS, GA., offers exceptional opportunities in many lines. Hydro-electric power, native labor, rail and water transportation, ten deep-water ports close by, tax exemption, friendly public sentiment. Write the **NEW INDUSTRIES COMMITTEE**, Post-office Box 1220, Columbus, Ga.

PULASKI, VIRGINIA.

Population 7000, all native American. Abundance of Hydro-Electric Power available at reasonable rates for manufacturing purposes. Located in famous Southwest Virginia. Good shipping conditions, fine climate, excellent living conditions. Town modernly improved. Fine churches and schools. Special inducements offered to new industries. Address **E. W. Calfee, Mayor**.

HOLDENVILLE, OKLA., a modern, up-to-date city of 10,000 progressive citizens, wants factories of all kinds. Located on two great railway trunk lines; cheap natural gas and electric power; close to great coal fields. We need a cotton compress for this season, another ice plant, textile mill, glass plant, peanut product mill, sash and door factory, planing mill, brick plant, over-all factory, candy factory and any kind of a factory suitable for the Southwest. Address **W. J. RYAN, Industrial Secretary**.

INDUSTRIAL PLANTS

STOVE PLANT FOR SALE. Stove plant located near Chattanooga, Tenn., for sale. Earnings more than 20% per annum on capital investment. For information, write **O. L. D., Box 98, Columbia, Tenn.**

LARGE Fireproof Truscon steel and brick business building in San Antonio, Tex., for lease, suitable for factory branch, on principal street and Southern Pacific track, complete, about October 15, 1925. **Charles Dittmar, 304½ W. Commerce, San Antonio, Tex.**

FACTORY SITES

EXCELLENT FREE location, for either cotton-mill or soil-pipe factory, will be donated by citizens of Pell City, Ala. Write **Chamber of Commerce, Pell City, Ala.**

LEXINGTON, KENTUCKY.

Growing city, 50,000 population, has special advantages for manufacturers seeking locations. For information write **Lexington Board of Commerce**.

FOR SALE—Sited in Greenville, S. C., the Textile Center of the South, with twenty-one Cotton Mills and high-class native labor; one hundred and six (106) acres of land, one-half mile from Southern Railway Yards and two miles from Southern Depot on Southern Road. Old roadbed of Southern already graded for side track. A branch affording water at all times. A good grade of granite can be gotten out on the place. An ideal spot for an industry of any kind. If sold for a Cotton Mill site will take a large part of the payment in stock in company. **T. A. Honour, Room 206, Emaxee Building, Greenville, S. C.**

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. **Watson E. Coleman, Patent Lawyer, 644 G St. N. W., Washington, D. C.**

PATENTS--TRADEMARKS--COPYRIGHTS Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our inspection and instructions, free. Terms reasonable. Highest references. **VICTOR J. EVANS & CO., 712 Ninth, Washington, D. C.**

INVENTORS—Send sketch or model of your invention, for opinion concerning patentable nature, and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. **Chandlee & Chandlee, 412 Seventh St. N. W., Washington, D. C.**

MANUFACTURERS AGENTS

TO CALL on Contractors, Architects, and Builders, to sell cement mixing compounds, cement coatings and technical compounds. No. 6480, **Manufacturers Record**.

CALLING ON ARCHITECTS and Contractors to secure sales on newly-developed, high-grade commercial Kalamain Door, sold at prices on which large volume can be developed. No. 6433, **care Manufacturers Record**.

AGENTS WANTED

WANTED—Live and energetic representatives in the Carolinas, Georgia and Alabama to handle a well-known line of refrigerating equipment. Experience in this line highly desirable. Address No. 6491, **care Manufacturers Record, Baltimore, Md.**

CORRESPONDENCE is invited from mill-supply house or selling agency with an established office and local salesmen in principal Southern States. One of the oldest general paint manufacturers in the country, controlling specialties for damp-resisting, steel-protection and durable white wall coating (each of them unexcelled and with unlimited field among mill and factory owners) wishes to allot territory in the South to an active representative. Agency receives as backing best of literature and references; special paints to fit individual cases and a real follow-up and delivery system both in factory and in transit. In answering, please give synopsis of your territory, clientele and what other lines carried. Address No. 6477, **Manufacturers Record**.

AGENCIES WANTED

CLIFTON A. ROOP, General Sales Agent, Agencies Wanted, 136 N. W. Eleventh Ave., Miami, Fla.

SITUATIONS WANTED

SUPERINTENDENT—Experienced in reinforced concrete, steel erection, stone quarrying, cutting and setting and carpentry. At present in a responsible charge on a large public construction job nearing completion. College education, good appearance and address. Can sell. Would like to make a connection with a good general contractor or selling for a reputable house. Address No. 6490, **care Manufacturers Record, Baltimore, Md.**

MEN WANTED

SALESMAN, sales agents calling on cotton mills, oil mills, brick plants and factory trade to handle belting on commission. A quality brand of textile belting. Write Box 56, Station C, Atlanta, Ga.

SEWER FOREMAN—For wet work in south Florida. Must bring eight or more good laborers with him; no transportation advanced, but allowed after two months salary; \$45 per week and 40 to 50 cents per hour for men. State age, experience and name of last two contractors worked for, and date can report. Address No. 6488 **care Manufacturers Record**.

WANTED—HIGH-GRADE SALESMEN AND SALES AGENTS CAPABLE OF REPRESENTING A NATIONALLY KNOWN QUALITY BRAND OF TECHNICAL PAINT SPECIALTIES, EXCLUSIVELY OR IN CONJUNCTION WITH SOME OTHER LINE. FULL INFORMATION AS TO EXPERIENCE, PRESENT CONNECTIONS AND REFERENCES REQUIRED. ADDRESS No. 6485, CARE OF MANUFACTURERS RECORD, BALTIMORE, MD.

SALARIED POSITIONS \$2500 to \$25,000 upward; executive, technical, administrative, engineering, manufacturing, professional, managing, financial, etc., all lines. If you are qualified and receptive to tentative offers for a new connection you are invited to communicate in strict confidence with the undersigned, who will conduct preliminary negotiations for such positions. A method is provided through which you may receive overtures in confidence, without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Send name and address only; preliminary particulars will be sent without obligating or compromising you in any way. **R. W. Bixby, Inc., 403 Lockwood Building, Buffalo, N. Y.**

MACHINERY AND SUPPLIES

USED MACHINERY—One 10,000 gal. Steel Tank with 50-ft. tower; one 9x16 Rock Crusher, made by United Iron Works, Joplin, Mo.; one 4-roller Denver Quartz Mill.

D. W. DIAL, Newnan, Ga.

FOR SALE—Clyde two-line, ten by ten, Universal Skidder and McGiffert Loader. Price \$7000 f. o. b. cars Palatka, Fla. Has just been rebuilt and in first-class second-hand condition.

F. C. ALWORTH, Box 471, Jacksonville, Fla.



SPECIAL ADVERTISEMENTS OF GENERAL INTEREST



WASHINGTON OFFERS YOU in THE RESEARCH SERVICE, INC.

a staff of consultants in engineering, industrial development and business administration.

If you need advice or assistance in municipal or State improvements, industrial surveys, plant development, or personnel administration, write to

THE RESEARCH SERVICE, INC.

941 Investment Building WASHINGTON, D. C.

FOR SALE

PLANT SITE IN NEWARK DISTRICT

Section 2½ acres—700 ft. frontage Erie Railroad with 334 ft. siding installed. One building 34 ft. x 60 ft., two stories, on property. Electric power, gas available. Good labor market and center of metropolitan sales territory, Address

**RARE METAL PRODUCTS COMPANY
Belleville, N. J.**

Galvanum Paint

FOR GALVANIZED IRON

TRADE MARK

THE ONE OUTSTANDING PAINT NOTED FOR ITS ABILITY TO ADHERE TO GALVANIZED IRON.



GOHEEN CORPORATION
of New Jersey
PAINT ENGINEERS
NEWARK, N. J.

Makers of Technical Paints, Damp-proofings and Waterproofings



GALVANUM Adheres to Galvanized Iron, forming a Strong, Enduring Bond. It will not Peel, Crack or Flake.

Showing How Ordinary Paint Peels on Galvanized Iron.

GALVANUM Paint sticks to Galvanized Iron. No "ifs", "ands" or "buts". It **STICKS**. No acid wash. No weathering. No special treatments. A paint made expressly for Galvanized Iron and nothing else.

Applied directly to the metal, eliminating special primers. Made in a variety of desirable colors. Send for color card and full information.

Specify
GOHEEN
PAINTS FOR PLANT UPKEEP

Put US on Your Inquiry List for Industrial Paints of Every Description

Your Income Tax is a Small Item

—compared with your Waste Tax.

Your Income Tax impresses you because you see the TOTAL.

The Waste in your Business, due to Carelessness, Mistakes and other Weaknesses of your Employees is not so obvious

—but it represents a far greater Tax.

This Waste Tax is not paid in one or four installments.

You pay and pay and pay—

—until you do something to Stop Human Element Waste.

Our simple and inexpensive Plan * is reducing this Waste Tax for thousands of other concerns. It will give you Big Returns.

*Not an Accounting System or "Efficiency Engineering."

**Our 22,000 User Concerns
cover every line of
business from
A to Z.**

Adding Machines, Advertising Novelties, Agricultural Machinery, Aluminum Products, Automobiles, Automobile Accessories, Bodies, Parts and Sales

Bags, Bakeries, Banks, Barrels, Beds, Belting, Beverages, Boiler Makers, Box Mfrs., Builders' Supplies

Cans, Caskets, Cement, Chairs, Chemicals, Cigars, Cleaners, Coal Producers, Confectioners, Contractors, Cotton Mfrs.

Dairies, Department Stores, Druggists

Electric Equipment, Engravers, Envelope Mfrs.

Felters, Filters, Food Products, Foundries, Furniture

Garages, Gas Companies, Gasoline Stations, Glass Mfrs., Grocers

Hardware, Hosiery, Hospitals, Hotels

Ice and Ice Cream Plants, Insurance Offices, Iron and Steel

Jewelers

Knitting Mills, Kitchen Supplies

Ladies' Garments, Laundries, Light Plants, Lithographers, Lumber (Yards and Mills)

Machine Shops, Metal Specialties, Musical Instruments

Oil Refineries, Overall Mfrs.

Packers, Paint Mfrs., Pen Mfrs., Pianos, Plumbing, Potteries, Printers, Public Utilities

Radio Mfrs., Railways, Railway Supplies, Refrigerators, Rubber Goods

Sash and Door Mfrs., Sausage Makers, Shoe Dealers, Silk Mills, Smelters, Soda Fountains, Steel Products, Stoves, Structural Iron

Tailors, Tanneries, Taxi-Cabs, Telephones, Textiles, Tobacco, Tools, Toys

Underwear, Uniforms

Valves, Varnish, Veneers

Wagons, Warehouses, Washing Machines, Watches, Wearing Apparel, Wheels, Wind Mills, Wire Products, Wood Products, Woolens

Yarn Mfrs., Yeast

Zinc Products

MATHER & COMPANY

General Offices
155-165 E. Superior St.
CHICAGO



Eastern Sales Office
250 W. 57th St.
NEW YORK

